

2424

KX-1901A

SERVICE MANUAL

US Model

Chassis No. SCC-384B



E.W.

May, 1983

HF CHASSIS

SPECIFICATIONS

The adjustment procedures are not contained in this manual.

When performing the adjustments, refer to the separate-volume "ADJUSTMENT MANUAL".

Color system	NTSC	Output	SPEAKER
Picture tube	Trinitron tube		Accepts speakers of 8-16 ohms
	19-inch picture measured diagonally, 100-degree deflection	Power requirements	120V ac, 60 Hz
		Power consumption	142 W (max.) 93 W (average)
			1.8 W (in standby condition)
Inputs	VIDEO INPUT (phono jack)	AC outlet	Switched, max. 250 W
	1 V p-p, NTSC, 75 ohms, unbalanced, sync negative	Dimensions	Approx. 504 × 452 × 480 mm (w/h/d)
	AUDIO INPUT (2 phono jacks)		(197/8 × 177/8 × 19 inches)
	726mVrms (100% modulation), 47 kilohms	Weight	Approx. 33 kg. (72 lb 12 oz)
	CONTROL INPUT (minijack)	Accessories supplied	Video Cable VMC-1S
	5V p-p		(phono plug to phono plug, 1.2 m)
	MULTI INPUT (8-pin DIN)		Connecting Cord RK-105A
	Same as the above VIDEO/AUDIO/CONTROL INPUTS		(miniplug to 2 phono plugs, 1.5 m)
			34-pin socket 1 set

Design and specifications subject to change without notice.

— Continued on page 2 —




TRINITRON®
COMPONENT TV
SONY®

MON

RGB MULT INPUT (34-pin plug)

Pin No.	Signal	Signal level
1	+5 V power supply	} Total 100 mA
2	+5 V power supply	
3	Audio (R) input ground	
4	Ground	
5	Remote control ground	
6	Composite video output ground	
7	Audio (L) input ground	
8 1 16	Ground	
18	EXT/INT mode sync switch	High state (open): EXT sync Low state (ground): INT sync
20	Audio (R) input	726 mVrms (100% modulation), 47 kilohms
21	Analog/digital mode select	High state (open): Analog signal (0.7 Vp-p) Low state (ground): Digital signal (TTL level)
22	Remote control output	
23	Composite video output	1 Vp-p, NTSC 75 ohm terminated, unbalanced, sync negative
24	Audio (L) input	726 mVrms (100% modulation) 47 kilohms
25	Red input	Positive polarity (1) Analog signal (0.7 Vp-p, 75 ohm terminated, non sync) (2) Digital signal (TTL level) ● (1) or (2) is selected by the pin 21.
26	Green input	
27	Blue input	
29	Blanking input	Positive polarity High state (1–3V), 75 ohm terminated Low state (0–0.4V), 75 ohm terminated ● Displays RGB inputs only at high state or RGB inputs superimposed directly on composite video inputs at low state
30	H. sync or composite sync	Negative polarity (1) 1 Vp-p, 75 ohm terminated (2) TTL level ● (1) or (2) is selected by the pin 21.
31	V. sync	Negative polarity TTL level
32	Half blanking input	Positive polarity TTL level ● Active with blanking input (pin 29) at low state ● Decrease the contrast of composite video inputs in superimposed mode
33	RGB/NORMAL mode select	High state (5 V): RGB inputs Low state (ground): composite video inputs ● The NORMAL/RGB button on the front panel does not function at high state.
34	Audio select	High state (5 V): audio inputs from the RGB MULTI INPUT connector Low state (ground): audio inputs from the AUDIO INPUT jacks or MULTI INPUT connector
14, 17, 19, 28	Not in use	

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any).
Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

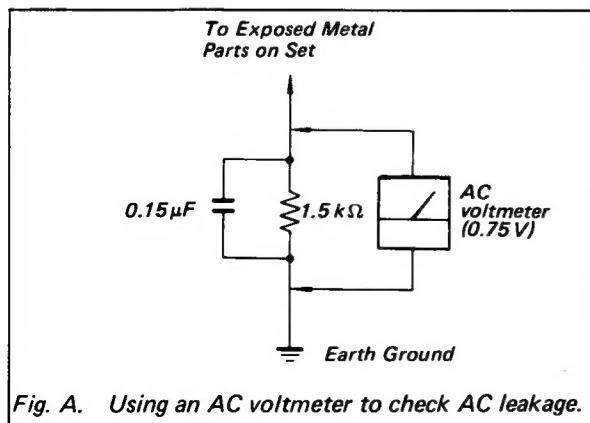


Fig. A. Using an AC voltmeter to check AC leakage.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60–100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

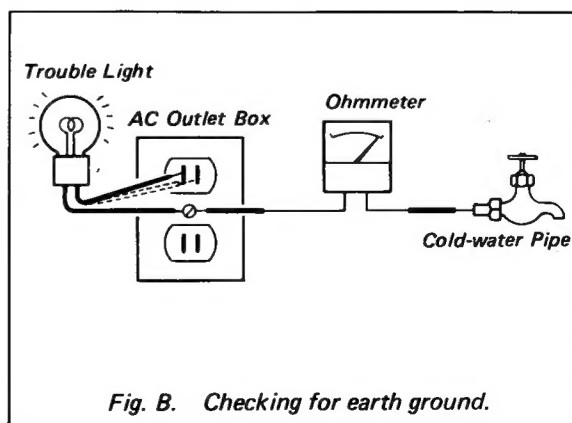


Fig. B. Checking for earth ground.

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SECTION 1 GENERAL

1-1. FEATURES

A color video monitor designed for a variety of uses with a Sony Component TV tuner, Sony Betamax videocassette recorder, video camera, character generator, microcomputer, etc.

DYNAMIC PICTURE™ system adjusts picture contrast automatically to produce more detail in both bright and dark areas of every scene.

DYNAMIC COLOR™ system for superior color reproduction with natural facial color tones and dazzling whites.

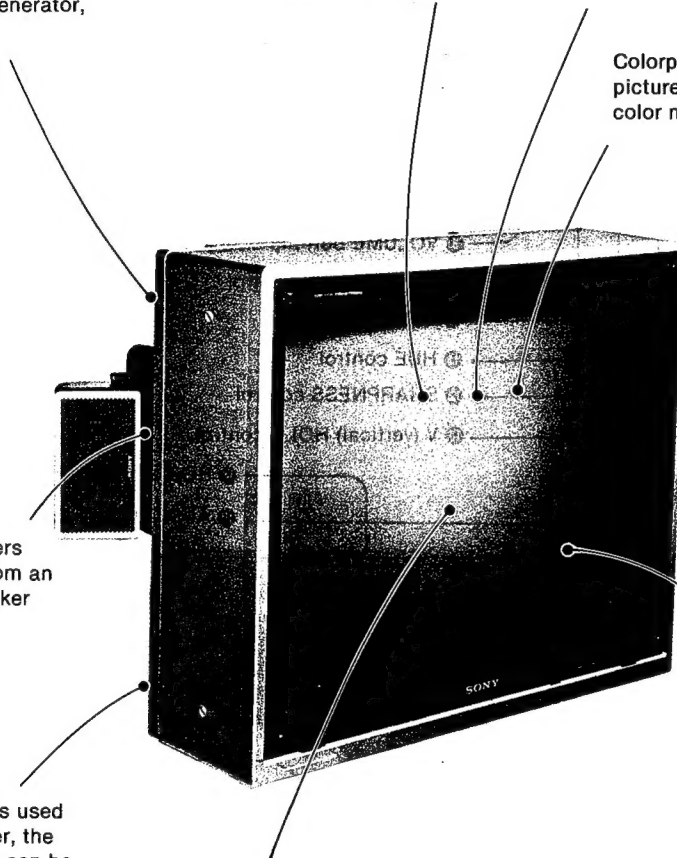
Colorpure Filter that produces fine picture detail without color spill or color noise.

Two built-in audio amplifiers provide dynamic sound from an externally connected speaker system (optional).

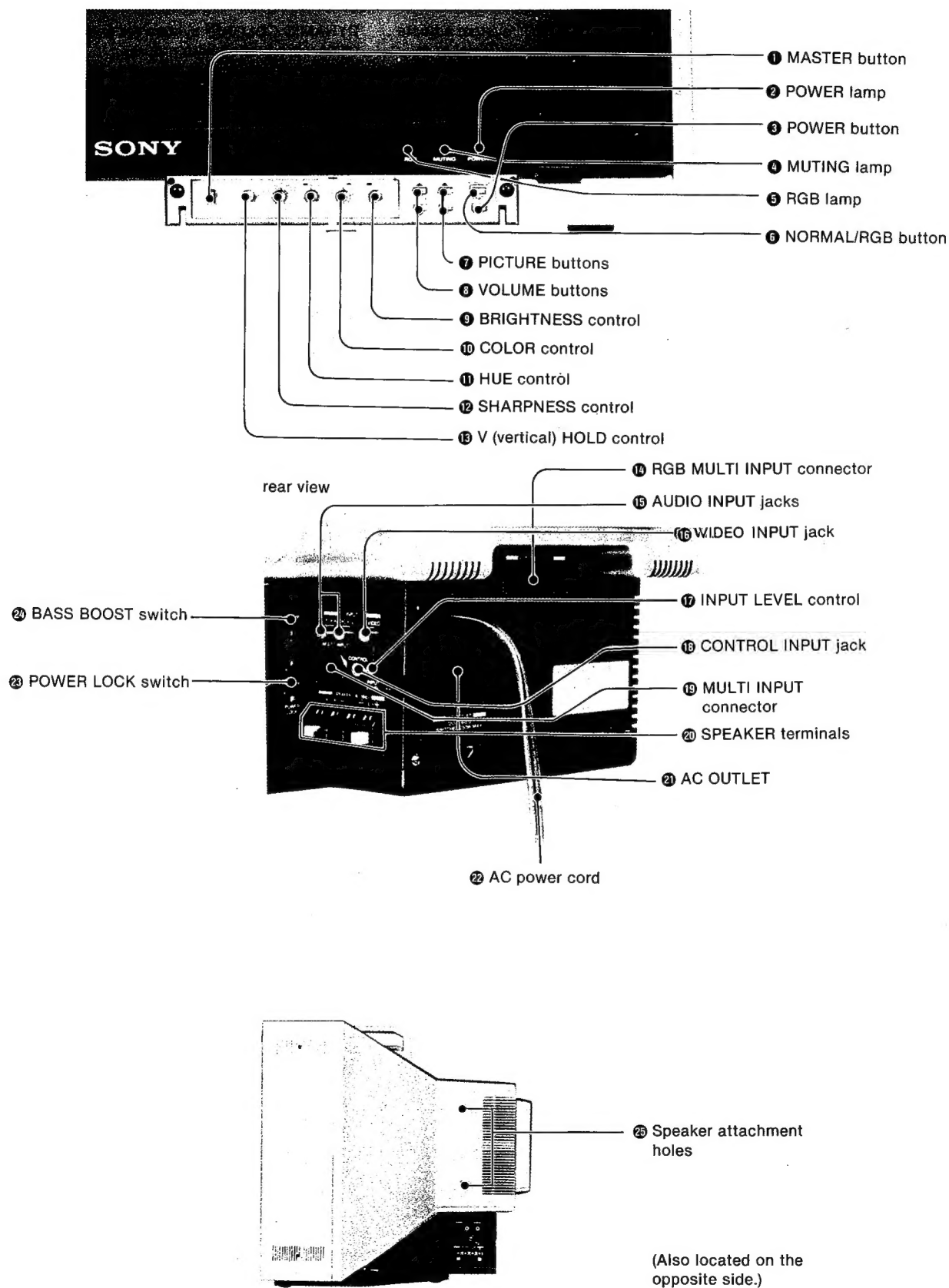
When the Component TV is used with a Component TV tuner, the volume, picture and power can be controlled from the tuner or the Remote Commander (supplied with the tuner).

Smoked glass over the picture tube for a glare-free picture with optimum contrast.

ECONOQUICK™, energy-saving quick-start system.



1-2. LOCATION AND FUNCTION OF PARTS AND CONTROLS

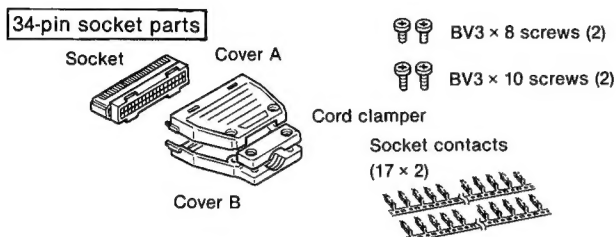


14 RGB MULTI INPUT connector (34-pin plug)

This connector allows a character generator, microcomputer, or a special adaptor for future videotex/teletext having digital/analog RGB outputs to be connected.

The connector cover has been attached to this connector at the factory. When this connector is not in use, keep the cover attached.

When such equipment having digital/analog RGB outputs is connected to this connector, disconnect the connector cover and proceed as follows by using the supplied 34-pin socket.

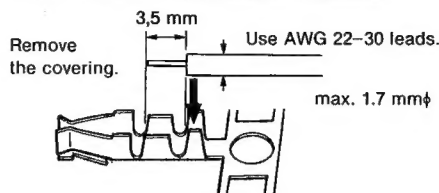


Position number	Signal to be connected
1, 2	+5V power supply
3	Audio (R) input ground
4	Ground
5	Remote control ground
6	Composite video output ground
7	Audio (L) input ground
8*, 9*, 10*	Ground
11	Ground
12*, 13*	Ground
14	Not in use
15*	Ground
16	Ground
17	Not in use
18	EXT/INT mode sync switch
19	Not in use
20	Audio (R) input
21	Analog/digital mode select
22	Remote control output
23	Composite video output
24	Audio (L) input
25*	Red input
26*	Green input
27*	Blue input
28	Not in use
29*	Blanking input
30*	H. sync or composite sync
31*	V. sync
32	Half blanking input
33	RGB/NORMAL mode select
34	Audio select

*For No. 8 and 25, 9 and 26, 10 and 27, 12 and 29, 13 and 30, or 15 and 31 connections, use a twisted-pair lead when the signal level is TTL, or a 75-ohm coaxial cable when the signal level is 1 V p-p.

(1) Solder each lead to a socket contact.

1. Place the lead on the contact as illustrated.



2. Fix the lead.

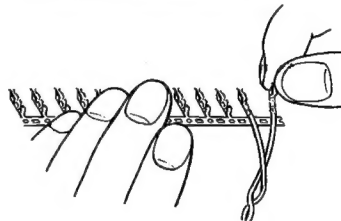
3. Tighten the tabs slightly.



4. Solder the conductor.
Take care not to solder past the point indicated by the dotted line.

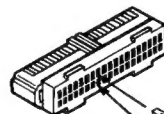


5. After soldering, separate the contact by moving it upwards and downwards.



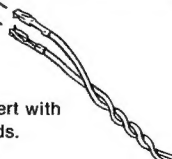
(2) Connect the socket contacts to the correct positions. Refer to the chart.

Align the contact and read for easier insertion.



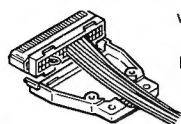
For positions 18-34, insert with the flat side upwards.

For position 1-17, insert with the flat side downwards.



(3) Assemble the socket.

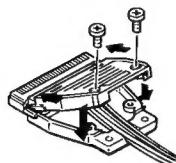
1. Attach the socket to the cover B.



with the positions 1-17 upwards

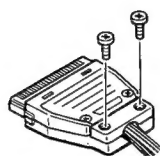
Engage the projections with the holes.

2. Attach the cover A to the socket with the 2 shorter screws.



Engage the projections with the holes.

3. Attach the cord clamber with the 2 longer screws.



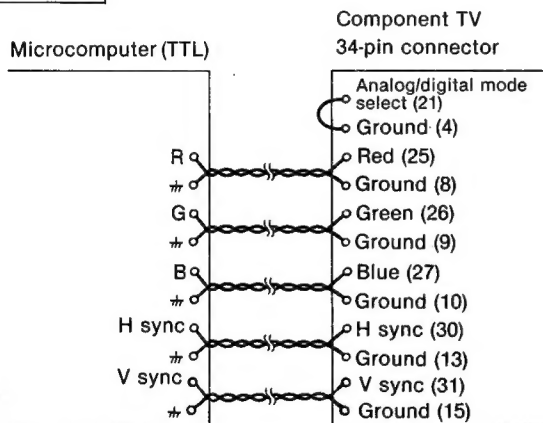
(4) Connect the socket to the RGB MULTI INPUT connector.



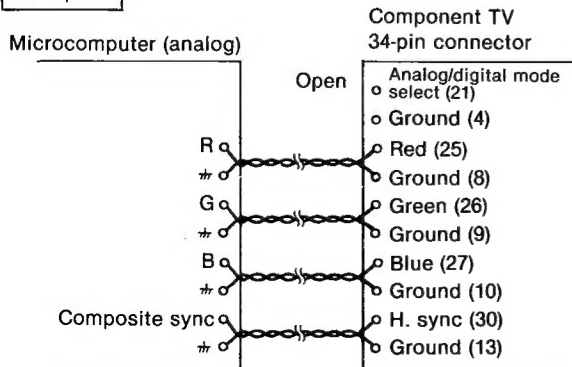
Engage the projection with this slot.

For the signal specifications, see page 2.

Example 1



Example 2



15 AUDIO INPUT jacks (phono jacks, L-white, R-red)

Connect to the audio outputs of a Sony Betamax or U-matic video cassette recorder, Sony Component TV tuner, etc.

Connect the L and R channels properly. If the recorder is monaural, connect the audio output of the recorder to these two jacks with the RK-105A Connecting Cord (supplied) and the PC-5A Plug Adaptor (phono plug to minijack, optional), if required.

16 VIDEO INPUT jack (phono jack, yellow)

17 INPUT LEVEL control

Connect to the video output of a Sony Betamax or U-matic video cassette recorder, Sony Component TV tuner, video camera, etc. with the VMC-1S Video Cable (supplied).

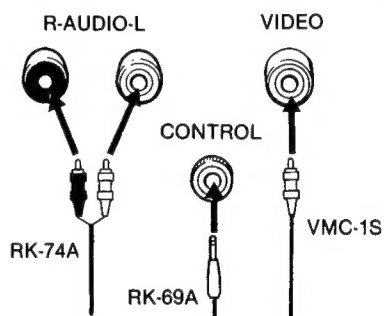
The input level of the video signal from this jack can be adjusted with the INPUT LEVEL control.

Normally set the control to the center detent position.

If the picture contrast is too weak or too strong, adjust the level (min. 0.5V p-p, max. 2V p-p) by turning the control clockwise or counterclockwise with a screwdriver.

18 CONTROL INPUT jack (minijack)

When the set is used with a Sony Component TV tuner equipped with a control output connector, connect as illustrated with the RK-69A Connecting Cord (optional).



The volume and picture can be adjusted and the power can be turned on or off using the controls on the TV tuner or the Remote Commander (supplied with the tuner).

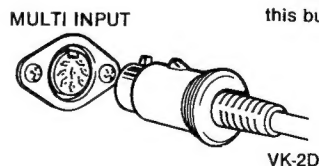
19 MULTI INPUT connector (8-pin DIN)

Connect to the MULTI OUTPUT (8-pin DIN) connector on a Sony Component TV tuner with the VK-2D Video Cable (supplied with the tuner, 2 m). The audio, video and control signals can be connected simultaneously with this cable.

The volume and picture can be adjusted and the power can be turned on or off using the controls on the TV tuner or the Remote Commander (supplied with the tuner).

Engage this projection with this slot.

To disconnect, push this button.



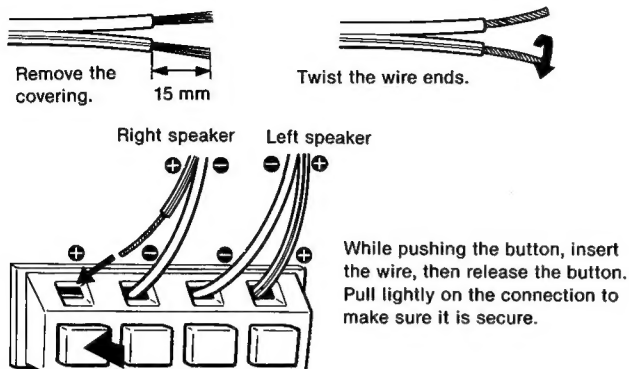
The VK-5DX Video Cable is available optionally for extending the VK-2D.

Caution: Use either the VIDEO/AUDIO/CONTROL 15 16 18 jacks or the MULTI INPUT connector, but not both simultaneously.

20 SPEAKER terminals

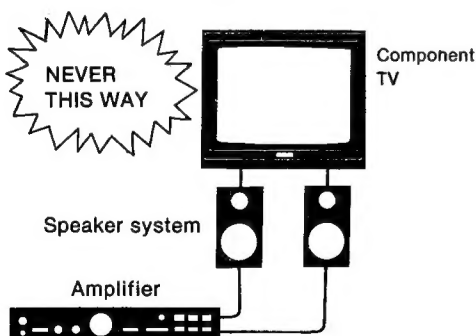
Connect to an 8–16 ohms speaker system.

Speaker cord connections



Caution

- Make sure that none of the strands are separated from the wire and shorts across the speaker terminals.
 - Correct $\oplus \ominus$ connection of both speakers insures proper in-phase operation. If the speaker system is out-of-phase, the bass tones seem to be missing and the position of the instruments becomes obscure.
 - The set should be placed some distance away from the speakers so that it will not be affected by the speaker magnets. If a temporary proximity to magnets should cause portions of the picture to have poor color, turn the POWER button off, and after about 10 minutes, turn it on.
- The Sony SS-X1A and SS-X10A Speaker System (optional) may be placed near the set because these are a low magnetic flux leakage type.
- Never connect a speaker system to an amplifier and this Component TV simultaneously, as this may damage the TV.

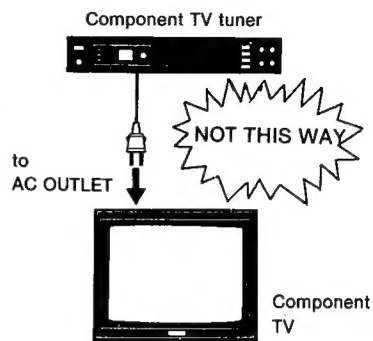


21 AC OUTLET (SWITCHED).

Provides ac power of 200 W max. (KX-2501A) or 250 W max. (KX-1901A) to other connected equipment. Power can be switched on or off with the POWER button on the Component TV.

Caution

- When the set is used with a Sony Component TV tuner, do not connect the ac power cord of the tuner to this outlet. Otherwise, the power cannot be turned on or off using the control on the tuner or the Remote Commander (supplied with the tuner).

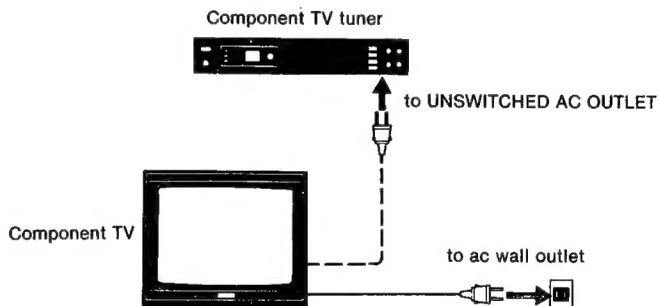


- Do not connect electrical home appliances such as an electric iron, fans, or other high-wattage equipment to this outlet.

22 AC power cord

Connect to a convenient 120 V ac wall outlet.

When the set is used with a Sony Component TV tuner, the ac power cord may be connected to the UNSWITCHED AC OUTLET.



23 POWER LOCK switch

Normally set to OFF.

The MASTER and POWER buttons functions as described above. If the set is to be switched on or off by a timer, set this switch to ON and keep the MASTER button pushed in. When power is supplied to the set with the POWER LOCK switch and MASTER button set to ON, the set will turn on automatically.

24 BASS BOOST switch

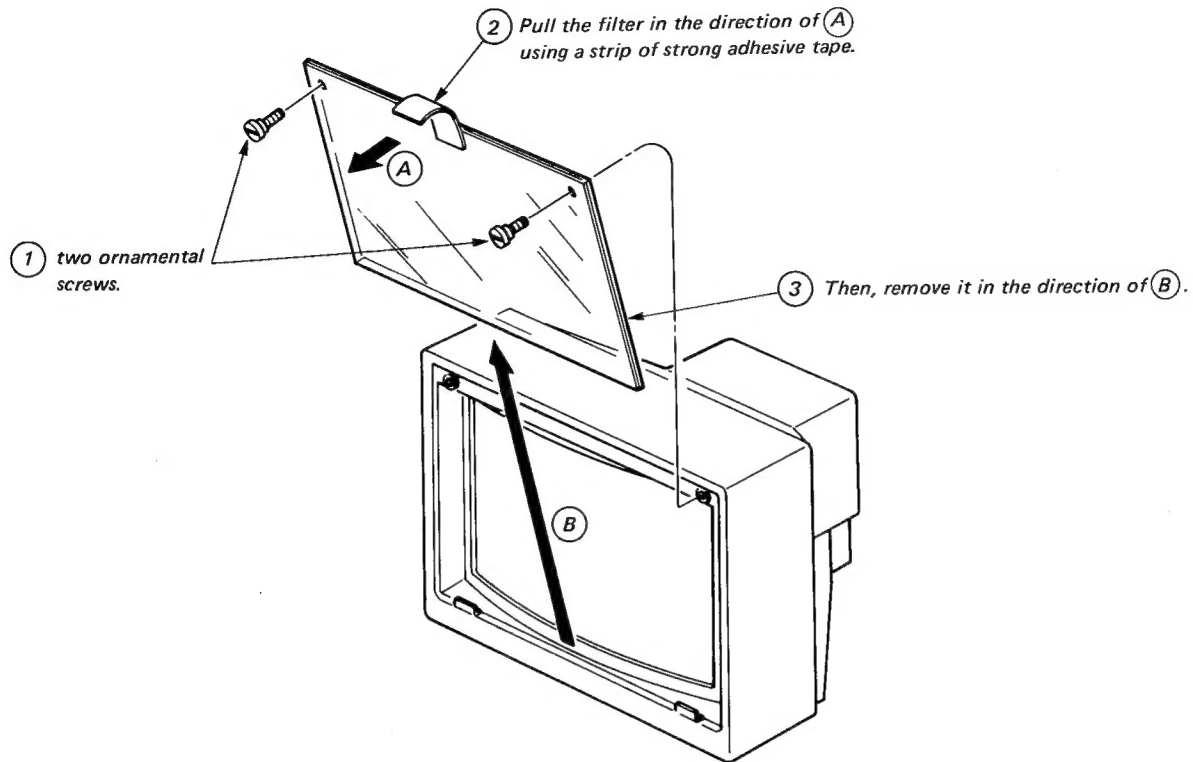
When a bookshelf-type speaker system (e.g. Sony SS-X1A, SS-X10A) is used, set this switch to ON to enhance the bass sound. When a larger speaker system is used, set the switch to OFF to prevent excessive bass boost.

25 Speaker attachment holes

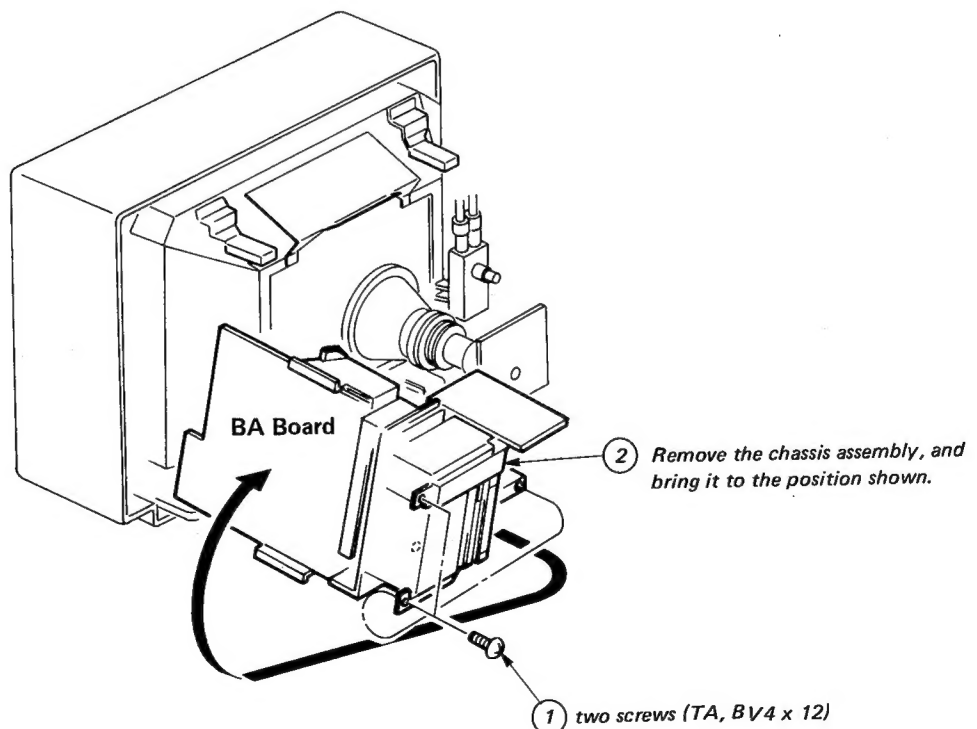
The Sony SS-X1A Speaker System (optional) may be attached to the set. For details on attachment, see the instructions furnished with the SS-X1A.

SECTION 2 DISASSEMBLY AND REPLACEMENT

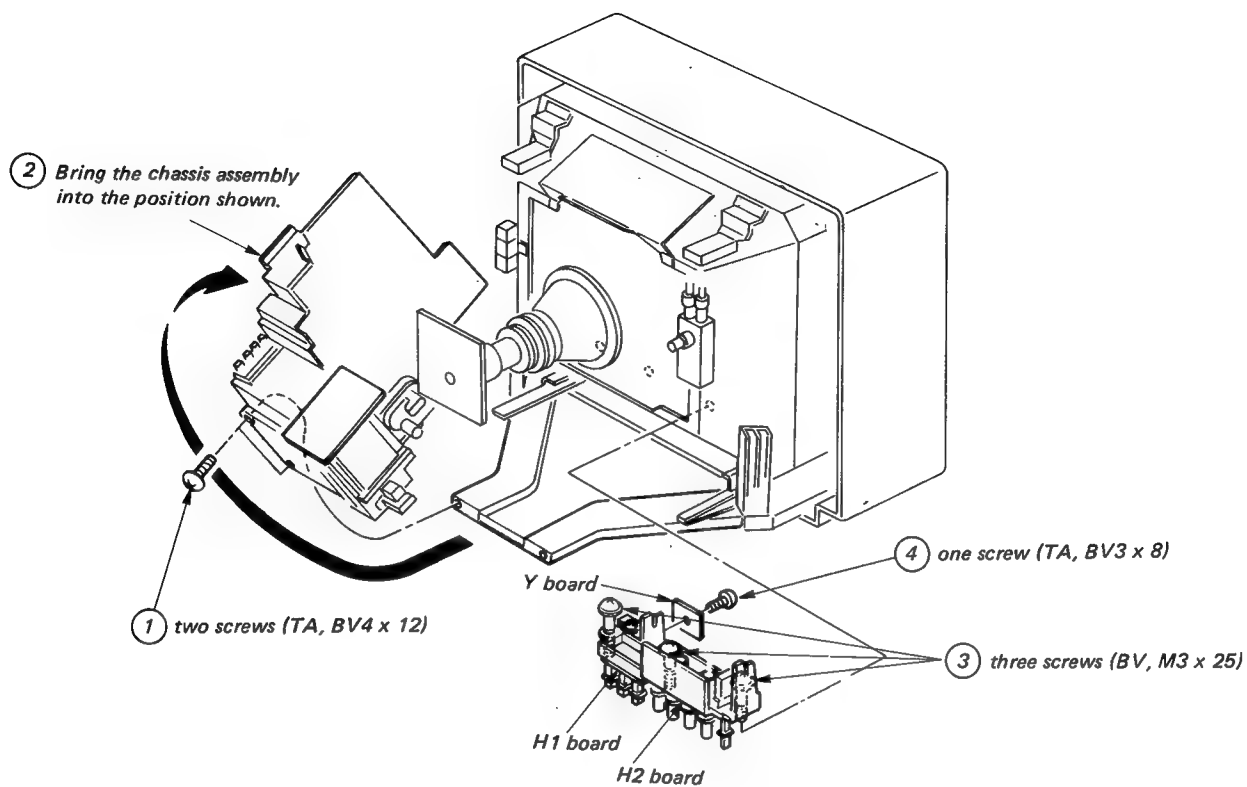
2-1. FILTER REMOVAL



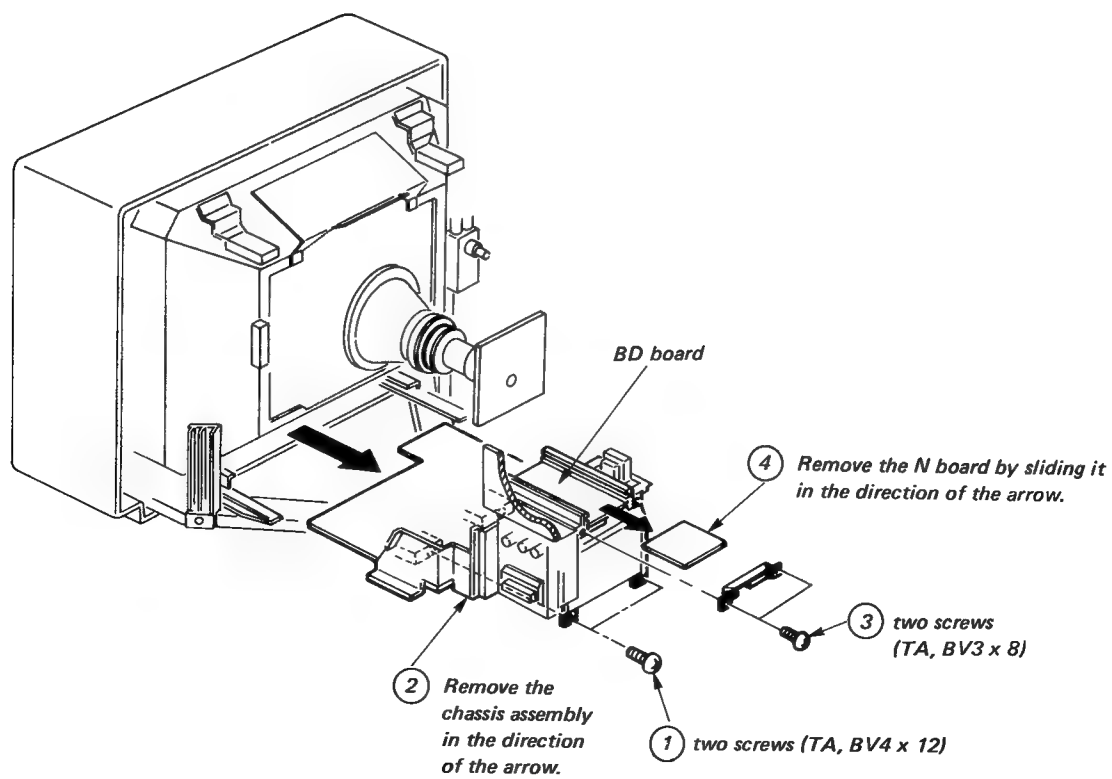
2-2. FOR CHECKING B BOARD UP



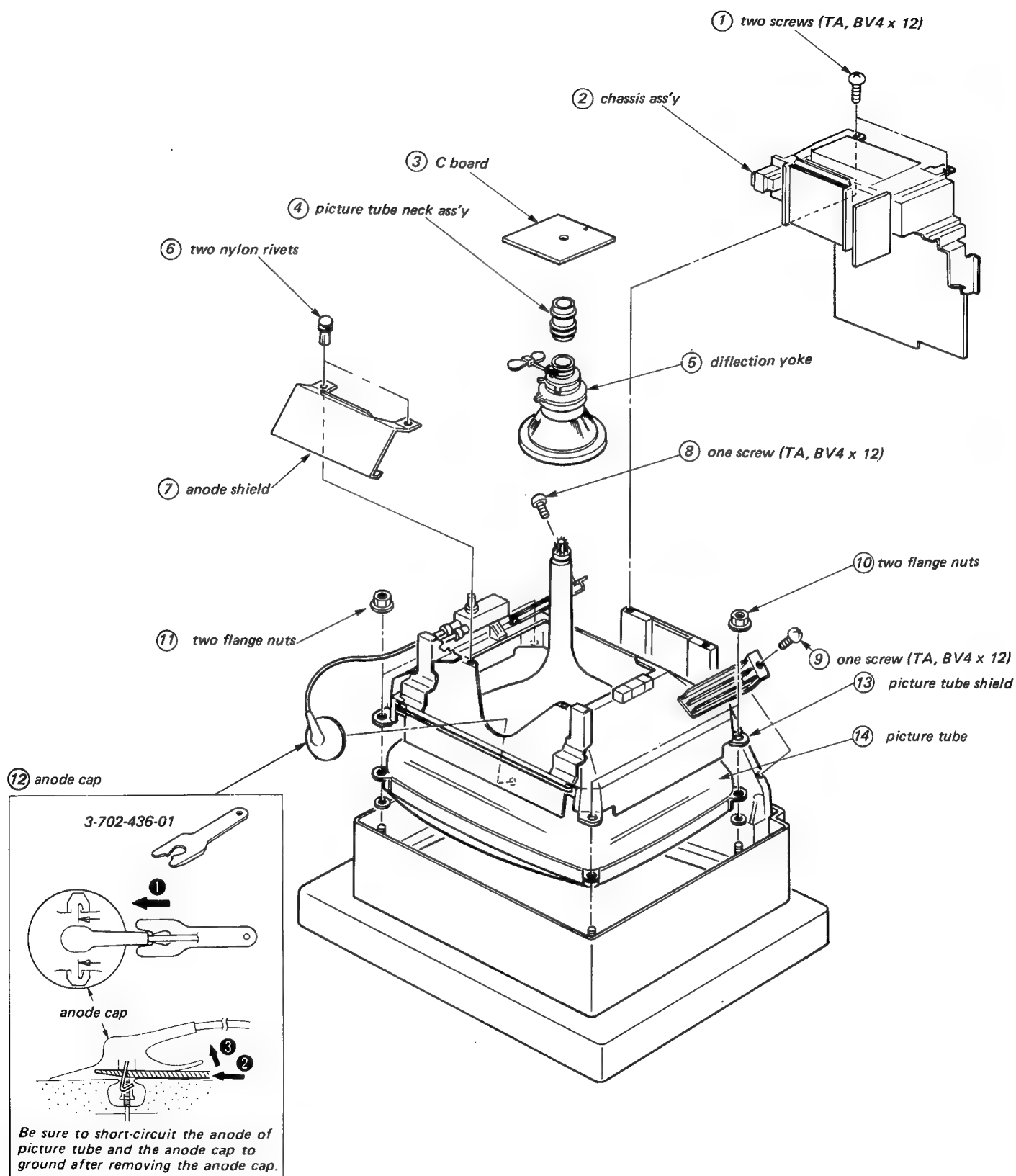
2-3. CONTROL BLOCK REMOVAL



2-4. FOR CHECKING



2-5. PICTURE TUBE REMOVAL



SECTION 3 SAFETY RELATED ADJUSTMENTS

3-1. HOLD DOWN ADJUSTMENT

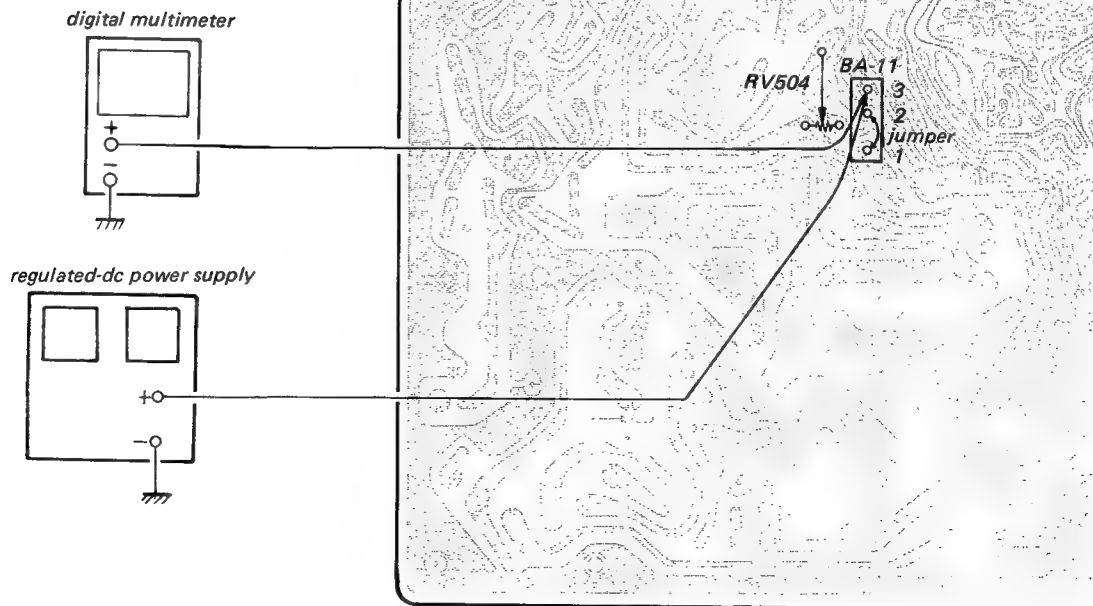
R532 ADJUSTMENT

When replacing the following components, make this adjustment.

Q510, Q511, R537, R545, R567, R551A, R532, R538, R588, R561, R552, R540, R541, R508, R590, R569, D514, D501, D502, IC501.

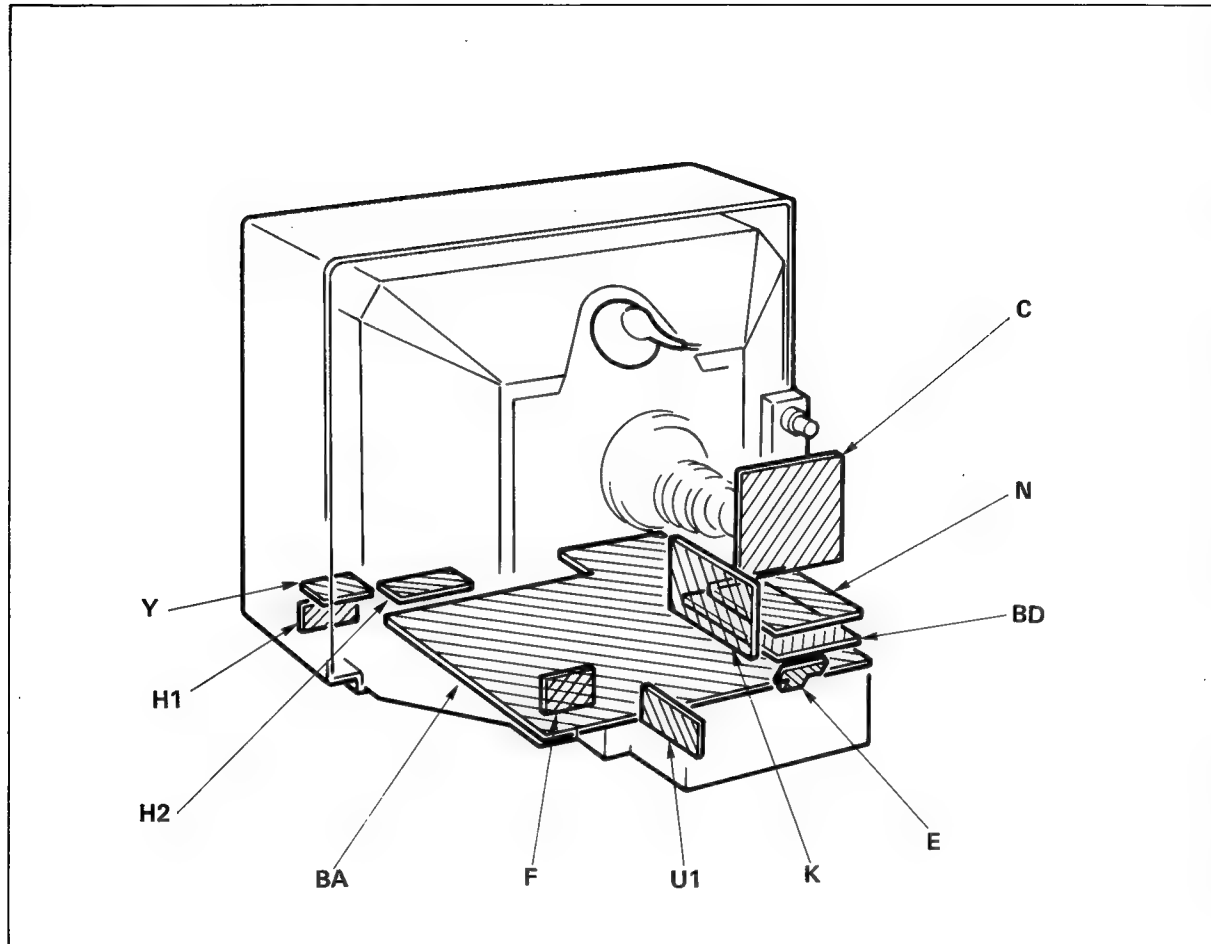
1. Feed in a dot pattern signal from pattern generator.
2. Set the variable auto transformer to 120V ac and PICTURE, BRIGHT control to minimum.
3. Pull out BA-11 plug and short circuit between the pin ① and ② of BA-11 plug with a jumper.
4. Supply the $18.2 \pm 0.1V$ dc to the terminal of BA-11 ③ with the regulated-dc power supply and confirm that the HV hold down circuit operates. (When the HV hold down circuit operates raster disappears.)
5. Supply the $17.3 \pm 0.1V$ dc to the terminal of BA-11 ③ with the regulated-dc power supply and confirm that the set is normally operated.
6. PICTURE, BRIGHT controls to maximum connect the BA-11 plug.
7. If step 1 — 5 are not satisfied, select the resistance value of R532 and repeat above step.

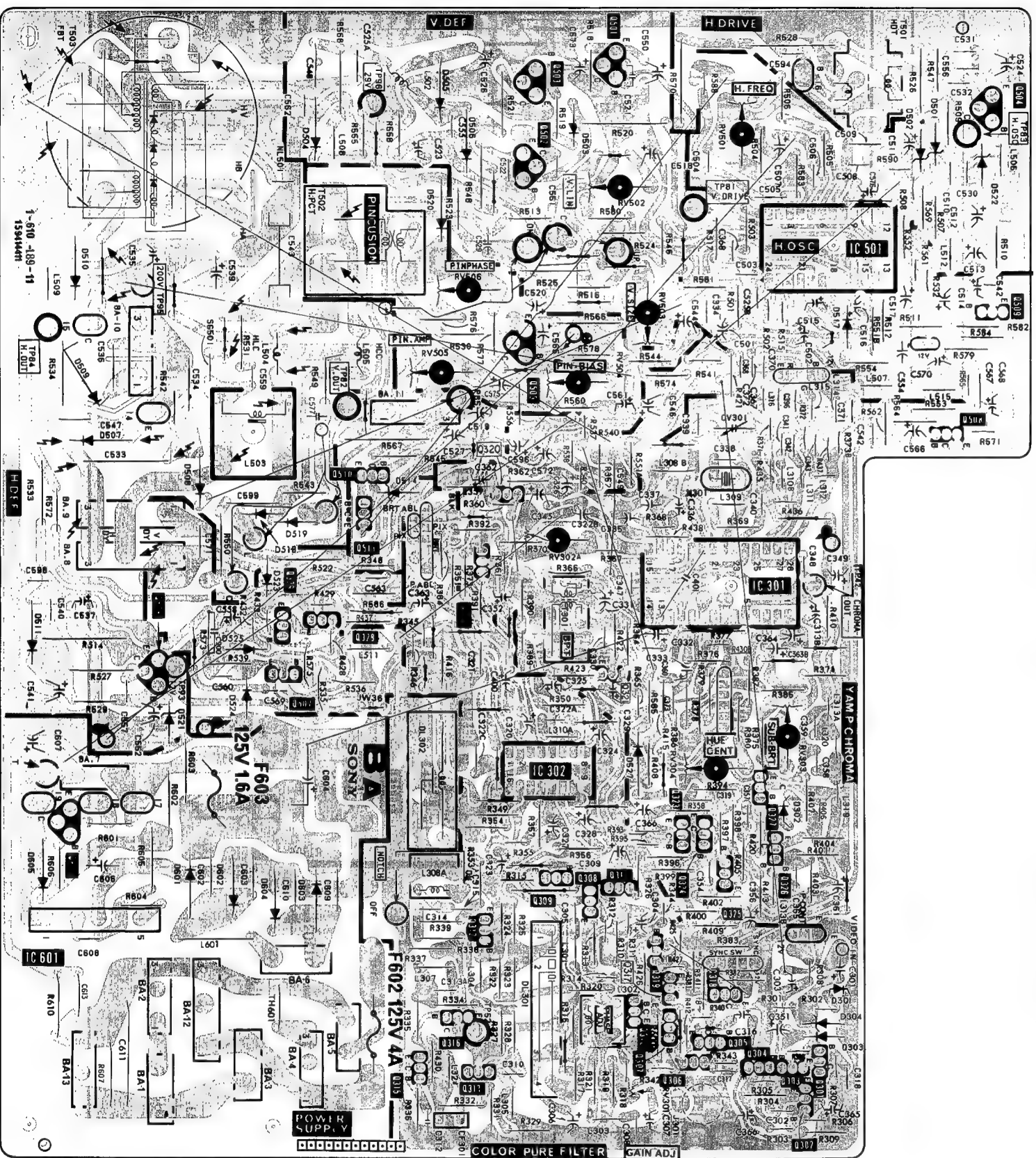
Note: As soon as the HV hold down circuit operates, turn the POWER switch to OFF.



SECTION 4 DIAGRAMS

4-1. CIRCUIT BOARDS LOCATION



[illegible]

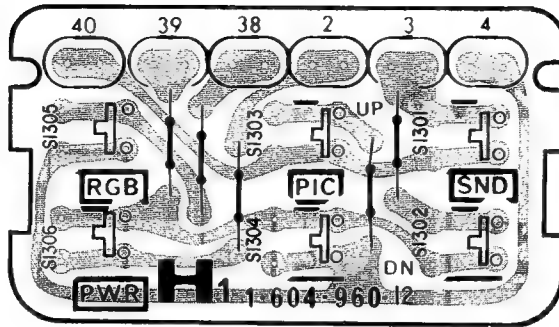
[CUSTOMER CONTROL]

H1

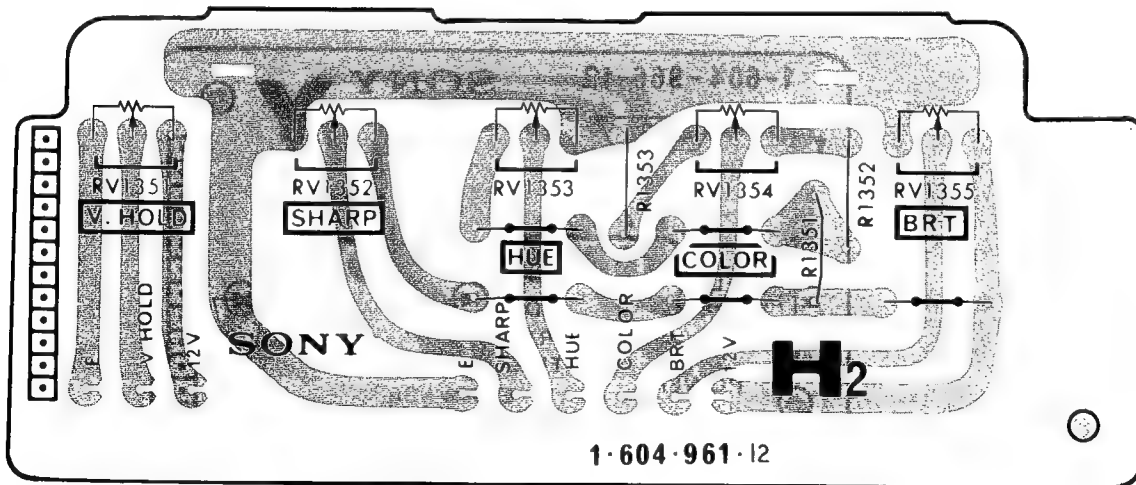
[CUSTOMER CONTROL]

H2**A****B****C****D**

— H1 Board —



— H2 Board —



F

[LINE FILTER]

Y

[LED]

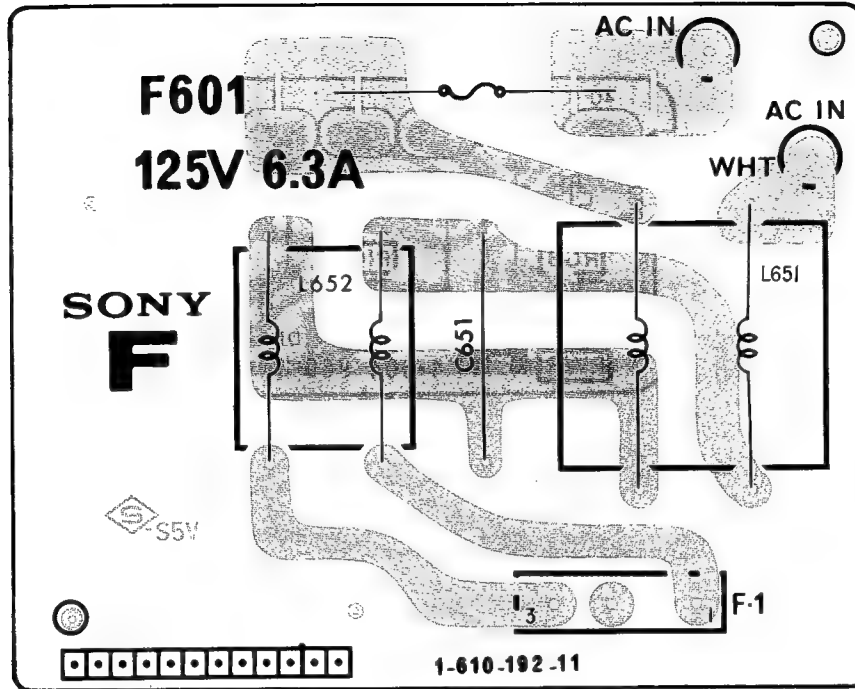
A

B

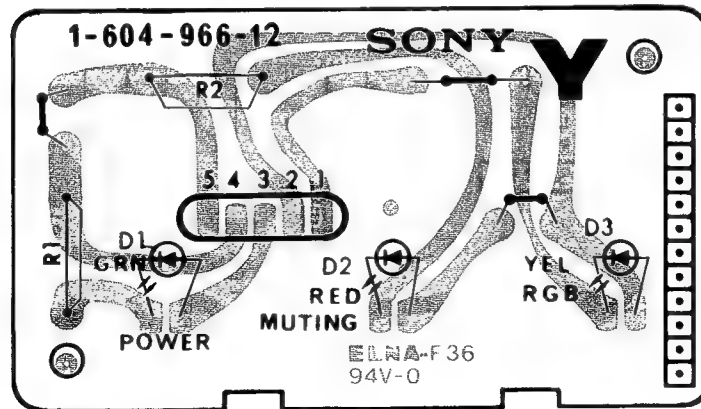
C

D

— F Board —



— Y Board —



[INPUT TERMINAL]

U1

[H OUT]

E

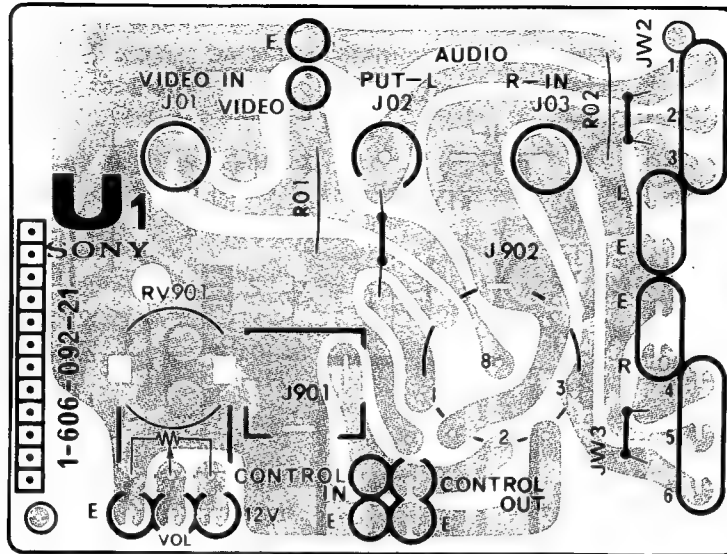
A

B

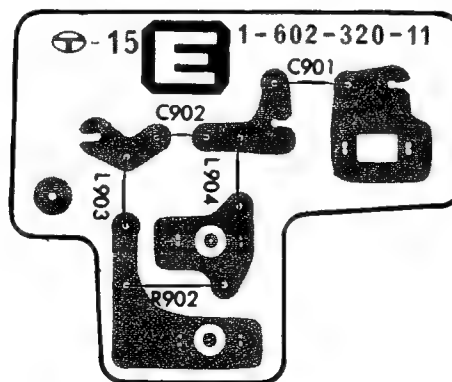
C

D

— U1 Board —



— E Board —



N

[DECORDER]

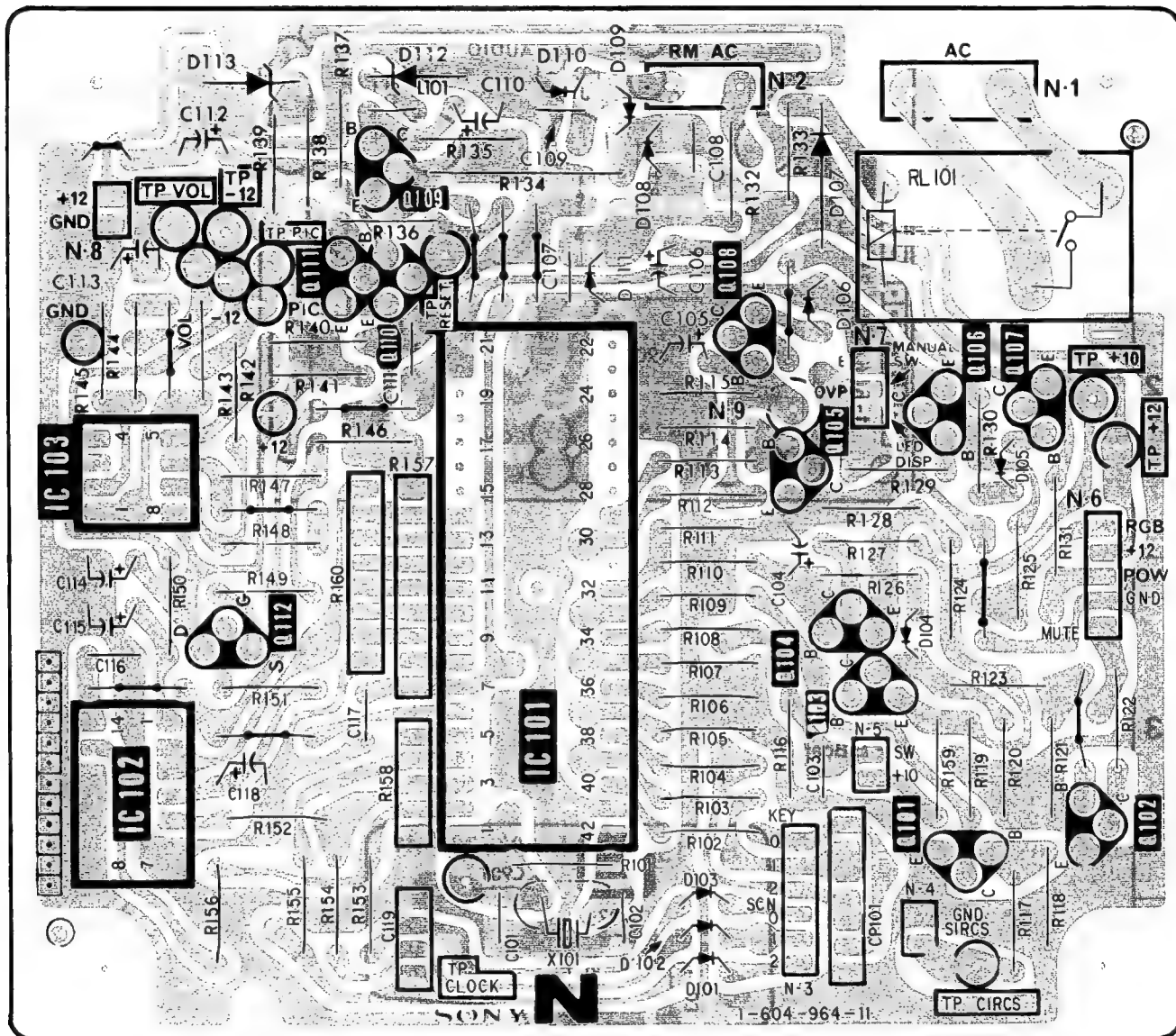
A

B

C

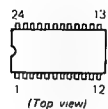
D

— N Board —

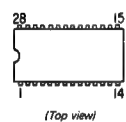


4-5. SEMICONDUCTORS

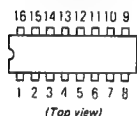
CX557A



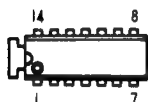
**CX556B
CX22019**



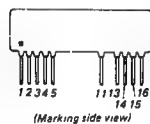
**CX841
HD75154
μPD4053BC**



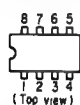
**LA2600
LA2600S**



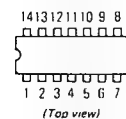
NJM78M05A



**NJM4558D
μPC4558C**



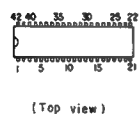
**TC4016BP
SN7406N
SN75154N**



μPC1188H



μPD546C-236



μPC78M05H



2SA1026



**2SA1048
2SA1115
2SC2458
2SC2603
2SD789**



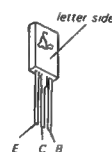
**2SA1015
2SA733
2SC1890A
2SC1363
2SC1364
2SC1815
2SC945
JC501**



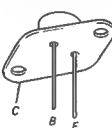
**2SA1175
2SA1175F
2SC2785
2SC2785F**



**2SA1220
2SC2690A**



**2SC1413A
2SC1454**



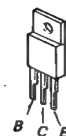
**2SC1475
2SC1670
2SC2230**



**2SC1761
2SC1810**



2SC1723



2SC2278



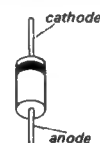
**2SC2958
2SD774**



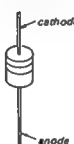
2SK107-2



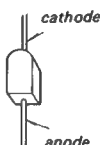
**1N4148H
1S1555
1S2076
1S2473
1SS133
RD11E-B
RD12E-B1
RD13E-B2
RD13E-B2Z
RD15E-B
RD24E-BZ7
RD4.7E-B
RD5.6E-BZ7S
RD7.5E-B
RD7.5E-B1
RD7.5E-N3
RD8.2E-B2
RD8.2E-B2Z
US1035**



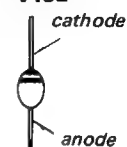
**1SS119
1SS120
1SS148**



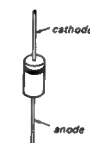
HF1Z



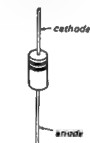
**GH1F
V06C
V19C
V19E**



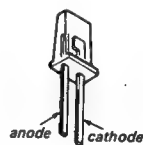
GP08D



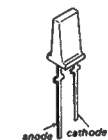
**RH1A
RH1Z
S1801-02**



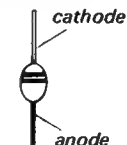
**SG232D
SR632D**



SY432D



**U05ES
V11N**



SECTION 5 EXPLODED VIEWS

NOTE:

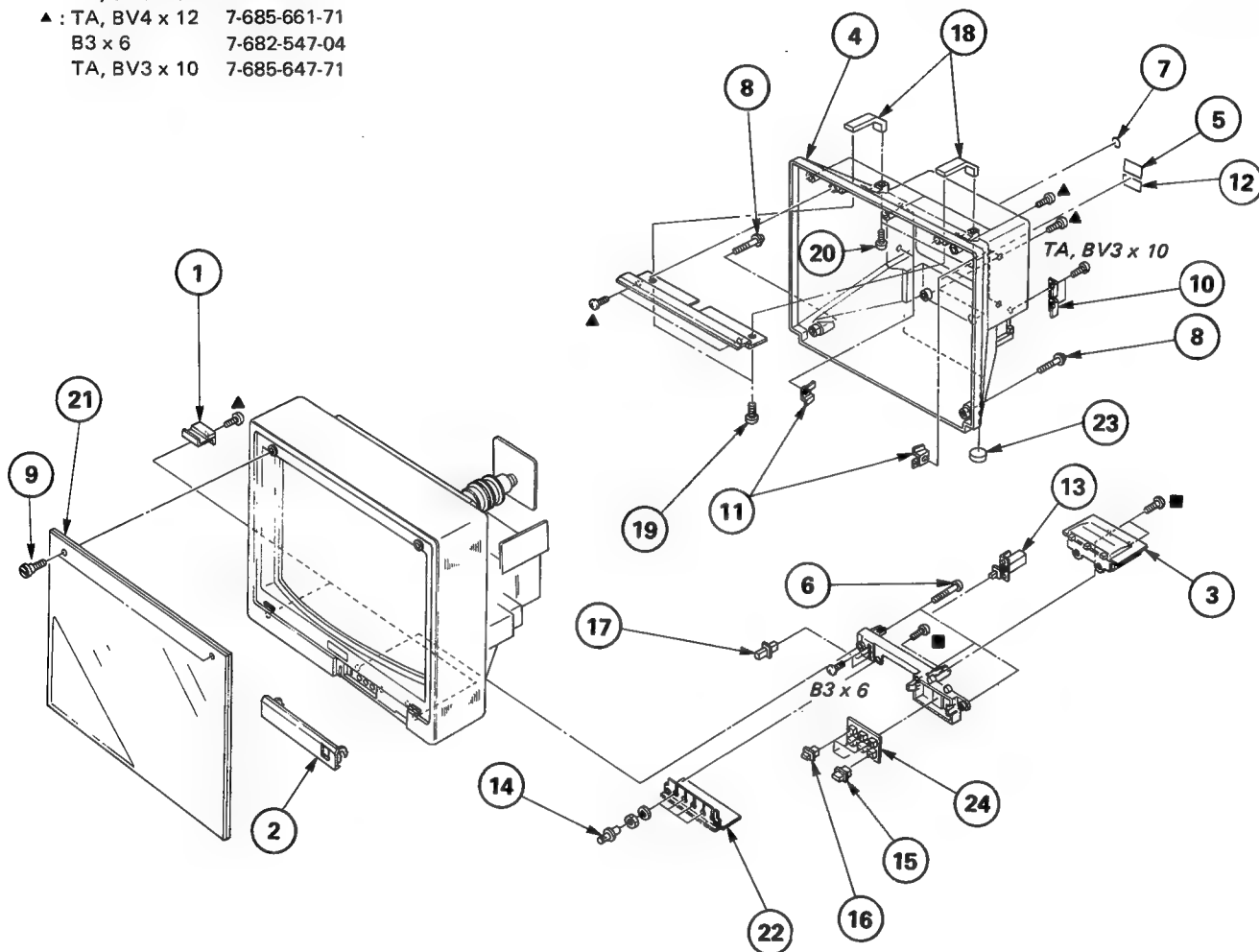
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

5-1. BACK COVER

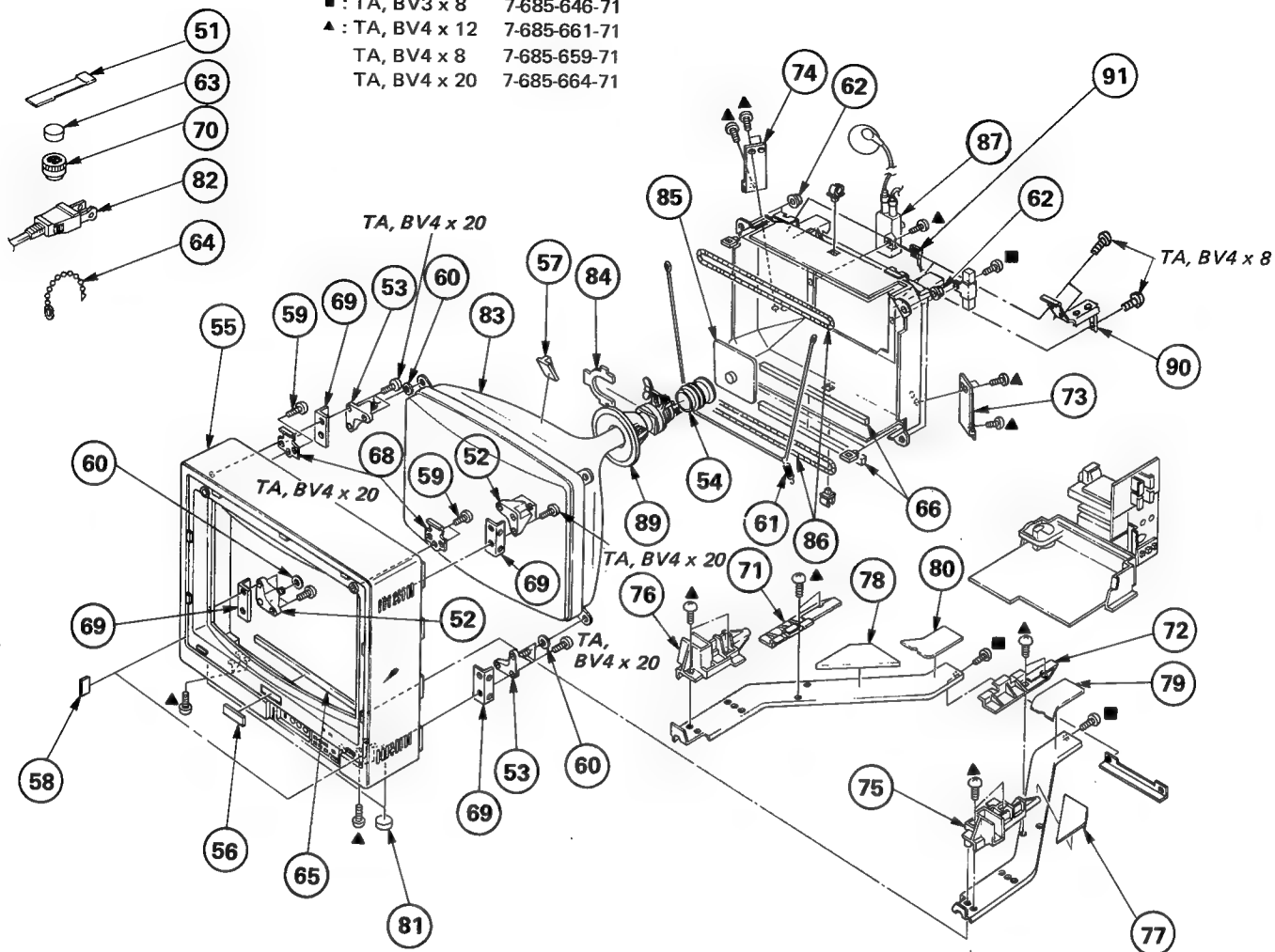
- : TA, BV3 x 8 7-685-646-71
- ▲ : TA, BV4 x 12 7-685-661-71
- B3 x 6 7-682-547-04
- TA, BV3 x 10 7-685-647-71



No.	Part No	Description	Remark
1	X-4337-301-2	RETAINER ASSY, FILTER	
2	X-4359-802-0	DOOR ASSY, CONTROL	
3	▲:1-604-966-12	Y BOARD	
4	X-4355-602-1	COVER ASSY, BACK	5,8,10,11,12, 18,19,20,23
5	3-703-228-00	LABEL, CAUTION	
6	3-703-083-00	+ BV M3X25	
7	3-701-915-01	LABEL, UL	
8	4-319-520-00	SCREW, SPECIAL (+PW4X30)	
9	X-4336-805-0	SCREW, ORNAMENTAL	
10	▲:4-341-902-00	HOOK, CORD	
11	▲:4-341-903-00	NUT, PLATE (C)	
12	▲:4-355-642-00	LABEL, MODEL NUMBER	

No.	Part No	Description	Remark
13	▲:1-553-262-31	SWITCH, PUSH (POWER SWITCH)	
14	4-359-911-00	KNOB (A)	
15	4-341-909-21	BUTTON (A)	
16	4-341-910-31	BUTTON (B)	
17	4-341-911-31	BUTTON (C)	
18	4-341-913-00	HANDLE	
19	4-341-920-00	SCREW, SELF LOCK (M5)	
20	4-341-920-11	SCREW, SELF LOCK (M5)	
21	4-341-923-00	FILTER	
22	▲:1-604-961-00	H2 BOARD	
23	4-809-913-XX	FOOT, F	
24	▲:1-604-960-00	H1 BOARD	

5-2. MASK



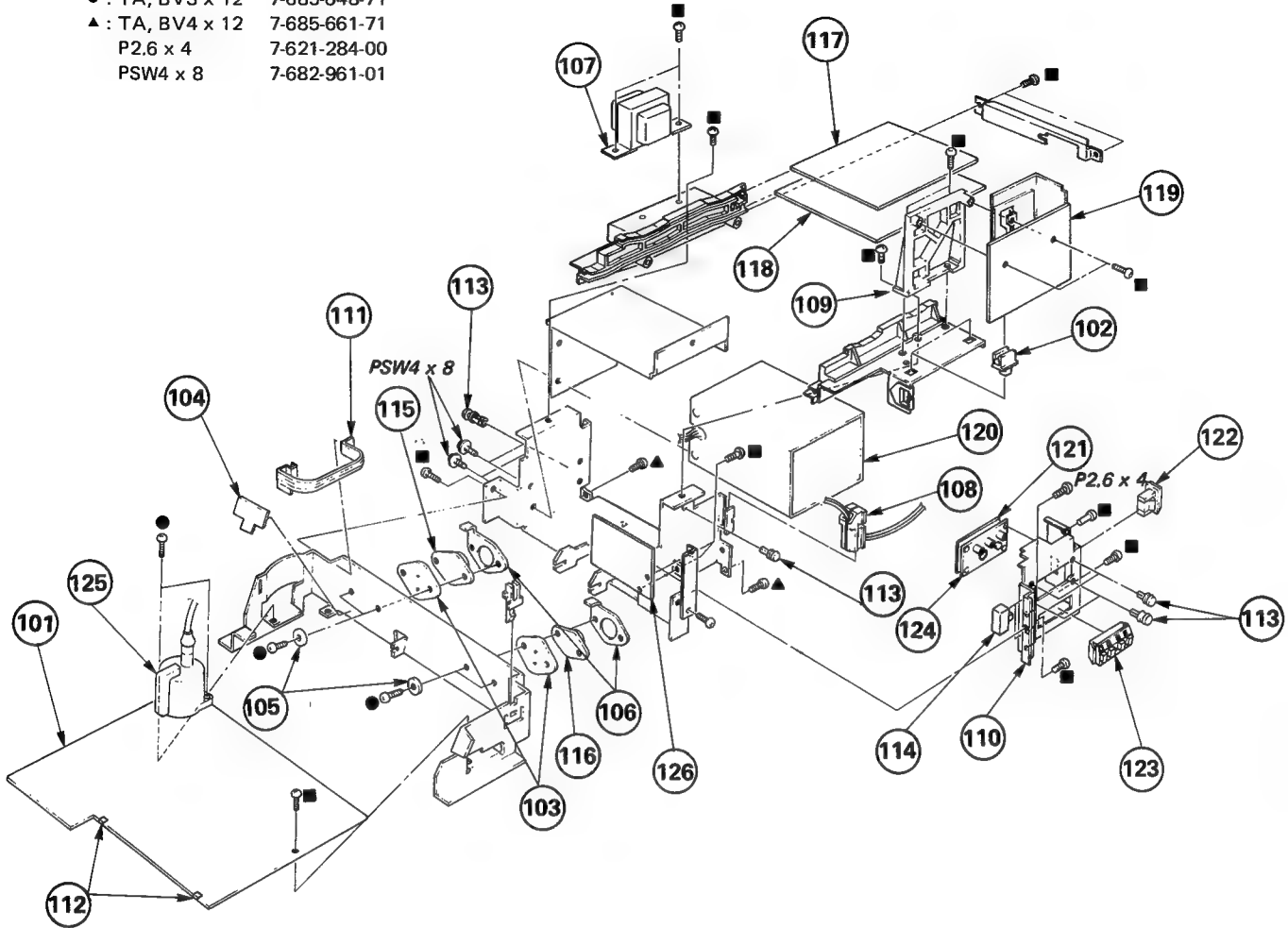
No.	Part No	Description	Remark	No.	Part No	Description	Remark
51	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE		71	▲:4-341-926-00	GUIDE (LEFT), CHASSIS	
52	X-4329-101-0	BRACKET-L2 ASSY, CRT		72	▲:4-341-927-00	GUIDE (RIGHT), CHASSIS	
53	X-4329-102-0	BRACKET-L1 ASSY, CRT		73	▲:4-341-929-00	SUPPORT (R)	
54	▲:1-452-236-21	CRT NECK ASSY (1)		74	▲:4-341-930-00	SUPPORT (L)	
55	X-4355-606-0	BEZEL ASSY	56,58,65,81	75	▲:4-341-932-00	BRACKET (R), BACK COVER	
56	3-701-912-00	EMBLEM, SONY, (LARGE)		76	▲:4-341-933-00	BRACKET (L), BACK COVER	
57	3-703-003-00	SPACER, DY		77	▲:4-341-952-00	INSULATOR (R1)	
58	4-341-961-00	SHEET (S)		78	▲:4-341-953-00	INSULATOR (L1)	
59	3-703-136-00	SCREW, TAPPING		79	▲:4-341-954-00	INSULATOR (R2)	
60	4-348-567-00	WASHER, CRT POSITION		80	▲:4-341-955-00	INSULATOR (L2)	
61	▲:4-341-965-00	SPRING		81	4-809-913-XX	FOOT, F	
62	4-306-034-00	FLANGE NUT, (B) 5MM		82	▲:1-551-478-12	CORD, POWER	
63	1-452-032-00	MAGNET, DISC; 10mmφ		83	▲:8-738-706-05	CRT (520SB22A)	
64	4-308-870-00	CLIP, LEAD WIRE		84	1-452-146-00	MAGNET, BMC	
65	4-310-778-00	CUSHION (A), CRT		85	▲:A-1130-435-A	C BOARD, COMPLETE	
66	4-310-779-00	CUSHION (B), CRT		86	▲:1-426-087-32	COIL, DEGAUSSING	
68	4-341-905-00	NUT, PLATE (A)		87	▲:1-228-482-21	RESISTOR ASSY, HIGH-VOLTAGE	
69	▲:4-341-906-00	NUT, PLATE (B)		89	▲:1-451-168-82	DEFLECTION YOKE	
70	1-452-094-00	MAGNET, ROTATABLE DISK; 15mmφ		90	▲:4-341-935-00	BRACKET (R), HANDLE	
				91	▲:4-341-912-00	CAP	

NOTE:

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

5-3. CHASSIS

- : TA, BV3 x 8 7-685-646-71
- : TA, BV3 x 12 7-685-648-71
- ▲ : TA, BV4 x 12 7-685-661-71
- P2.6 x 4 7-621-284-00
- PSW4 x 8 7-682-961-01



No.	Part No	Description
101	▲:A-1135-218-A	BA BOARD, COMPLETE
102	▲:3-642-310-00	HOLDER, CIRCUIT BOARD
103	3-701-353-00	SPACER, MICA
104	▲:1-602-320-00	E BOARD
105	3-703-320-00	BUSHING (A), TRANSISTOR
106	▲:4-314-938-01	RETAINER (T0-3), TRANSISTOR
107	▲:1-447-120-11	TRANSFORMER, POWER
108	▲:4-355-621-01	HOLDER, CORD, AC
109	▲:4-341-928-00	BRACKET, K PC BOARD
110	4-355-622-00	BOARD, TERMINAL
111	▲:4-341-950-00	SHIELD, FBT
112	4-341-964-00	SHEET (B)
113	4-812-134-11	RIVET NYLON, 3.5

Remark	No.	Part No	Description	Remark
	114	▲:1-514-524-11	SLIDE SWITCH	
	115	8-729-341-34	TRANSISTOR 2SC1413A	
	116	8-729-311-42	TRANSISTOR 2SC1114	
	117	▲:A-1280-176-A	N BOARD, COMPLETE	
	118	▲:A-1130-245-A	BD BOARD, COMPLETE	
	119	▲:A-1385-028-A	K BOARD, COMPLETE	
	120	▲:1-447-173-11	TRANSFORMER, POWER	
	121	▲:1-606-092-00	U1 BOARD	
	122	▲:1-561-347-11	OUTLET, AC	
	123	1-536-600-00	TERMINAL, PUSH	
	124	1-536-693-00	TERMINAL BOARD, CONNECTOR	
	125	▲:1-439-280-21	TRANSFORMER ASSY, FLYBACK	
	126	▲:1-610-192-00	F BOARD	

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

SECTION 6 ELECTRICAL PARTS LIST

BD

NOTE:

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

• Items marked " **A** " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
• MF : μ F, PF : μ μ F

RESISTORS
• All resistors are in ohms
• F : nonflammable

COILS
• MMH : mH, UH : μ H

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
	A :A-1130-245-A	BD BOARD COMPLETE *****		D1304	8-719-911-19	DIODE 1SS119	
	A :1-556-877-00	CABLE, PIN		D1305	8-719-911-19	DIODE 1SS119	
		<u>CONNECTOR</u>		D1306	8-719-911-19	DIODE 1SS119	
BD1	A :1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P		D1307	8-719-911-19	DIODE 1SS119	
BD2	A :1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P		D1308	8-719-911-19	DIODE 1SS119	
BD3	A :1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P		D1309	8-719-911-19	DIODE 1SS119	
BD4	A :1-508-786-00	2P PLUG (M)		D1310	8-719-911-19	DIODE 1SS119	
BD5	A :1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)		D1311	8-719-911-19	DIODE 1SS119	
BD6	A :1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P		D1312	8-719-911-19	DIODE 1SS119	
		<u>CAPACITOR</u>		D1313	8-719-911-19	DIODE 1SS119	
C1301	1-102-074-00	CERAMIC 0.001MF 10% 50V		D1314	8-719-911-19	DIODE 1SS119	
C1302	1-102-074-00	CERAMIC 0.001MF 10% 50V		D1320	8-719-175-07	DIODE RD7.5E-B	
C1303	1-102-074-00	CERAMIC 0.001MF 10% 50V		D1321	8-719-175-07	DIODE RD7.5E-B	
C1304	1-123-332-00	ELECT 47MF 20% 16V		D1322	8-719-175-07	DIODE RD7.5E-B	
C1305	1-102-074-00	CERAMIC 0.001MF 10% 50V		D1323	8-719-175-07	DIODE RD7.5E-B	
C1306	1-123-356-00	ELECT 10MF 20% 16V		D1324	8-719-175-07	DIODE RD7.5E-B	
C1307	1-123-333-00	ELECT 100MF 20% 16V		D1325	8-719-115-07	DIODE RD15E-B	
C1308	1-123-332-00	ELECT 47MF 20% 16V		D1326	8-719-175-07	DIODE RD7.5E-B	
C1309	1-123-332-00	ELECT 47MF 20% 16V		D1327	8-719-175-07	DIODE RD7.5E-B	
C1310	1-123-332-00	ELECT 47MF 20% 16V		D1328	8-719-175-07	DIODE RD7.5E-B	
C1313	1-123-356-00	ELECT 10MF 20% 16V		D1329	8-719-175-07	DIODE RD7.5E-B	
C1314	1-123-356-00	ELECT 10MF 20% 16V		D1330	8-719-911-19	DIODE 1SS119	
C1315	1-123-356-00	ELECT 10MF 20% 16V				<u>IC</u>	
C1316	1-102-125-00	CERAMIC 0.0047MF 10% 50V		IC1301	8-752-201-90	IC CX22019	
C1317	1-123-356-00	ELECT 10MF 20% 16V		IC1302	8-759-951-54	IC SN75154N	
C1318	1-121-392-00	ELECT 3.3MF 25V		IC1303	8-759-974-06	IC SN7406N	
C1319	1-121-392-00	ELECT 3.3MF 25V		IC1304	8-759-700-11	IC NJM78M05A	
C1320	1-121-392-00	ELECT 3.3MF 25V				<u>CONNECTOR</u>	
C1321	1-123-328-00	ELECT 4.7MF 20% 25V		J1301	A :1-560-686-00	CONNECTOR (PLUG) 34P	
C1322	1-123-380-00	ELECT 1MF 20% 50V		N7	A :1-556-013-00	CONNECTOR ASSY (2.5MM) 3P	
C1323	1-123-380-00	ELECT 1MF 20% 50V		N8	A :1-555-956-00	CONNECTOR ASSY (2.5MM) 2P	
C1324	1-102-117-00	CERAMIC 820PF 10% 50V		P6	A :1-555-319-00	RECEPTACLE ASSY, CONNECTOR 4P	
C1325	1-102-125-00	CERAMIC 0.0047MF 10% 50V				<u>TRANSISTOR</u>	
C1326	1-102-114-00	CERAMIC 470PF 10% 50V		Q1301	8-729-178-54	TRANSISTOR 2SC2785	
C1327	1-102-114-00	CERAMIC 470PF 10% 50V		Q1302	8-729-178-54	TRANSISTOR 2SC2785	
C1329	1-123-332-00	ELECT 47MF 20% 16V		Q1303	8-729-178-54	TRANSISTOR 2SC2785	
C1330	1-102-125-00	CERAMIC 0.0047MF 10% 50V		Q1304	8-729-178-54	TRANSISTOR 2SC2785	
C1331	1-123-380-00	ELECT 1MF 20% 50V		Q1305	8-729-178-54	TRANSISTOR 2SC2785	
C1332	1-123-356-00	ELECT 10MF 20% 16V		Q1306	8-729-178-54	TRANSISTOR 2SC2785	
C1333	1-102-111-00	CERAMIC 270PF 10% 50V		Q1307	8-729-178-54	TRANSISTOR 2SC2785	
C1337	1-102-125-00	CERAMIC 0.0047MF 10% 50V		Q1308	8-729-178-54	TRANSISTOR 2SC2785	
C1339	1-123-332-00	ELECT 47MF 20% 16V		Q1309	8-729-178-54	TRANSISTOR 2SC2785	
C1400	1-102-112-00	CERAMIC 330PF 10% 50V		Q1310	8-729-178-54	TRANSISTOR 2SC2785	
C1601	1-123-323-00	ELECT 470MF 20% 16V		Q1311	8-729-178-54	TRANSISTOR 2SC2785	
C1602	1-123-318-00	ELECT 33MF 20% 16V		Q1312	8-729-178-54	TRANSISTOR 2SC2785	
		<u>DIODE</u>		Q1313	8-729-178-54	TRANSISTOR 2SC2785	
D1301	8-719-911-19	DIODE 1SS119		Q1314	8-729-178-54	TRANSISTOR 2SC2785	
D1302	8-719-911-19	DIODE 1SS119		Q1315	8-729-178-54	TRANSISTOR 2SC2785	
				Q1316	8-729-178-54	TRANSISTOR 2SC2785	
				Q1317	8-729-178-54	TRANSISTOR 2SC2785	

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
Q1318	8-729-178-54	TRANSISTOR 2SC2785		R1336	1-246-499-00	CARBON 12K 5% 1/4W	
Q1319	8-729-178-54	TRANSISTOR 2SC2785		R1337	1-246-473-00	CARBON 1K 5% 1/4W	
Q1320	8-729-178-54	TRANSISTOR 2SC2785		R1338	1-246-473-00	CARBON 1K 5% 1/4W	
Q1321	8-729-178-54	TRANSISTOR 2SC2785		R1339	1-246-473-00	CARBON 1K 5% 1/4W	
Q1322	8-729-178-54	TRANSISTOR 2SC2785		R1340	1-246-501-00	CARBON 15K 5% 1/4W	
Q1323	8-729-178-54	TRANSISTOR 2SC2785		R1341	1-246-501-00	CARBON 15K 5% 1/4W	
Q1324	8-729-178-54	TRANSISTOR 2SC2785		R1342	1-246-461-00	CARBON 330 5% 1/4W	
Q1325	8-729-178-54	TRANSISTOR 2SC2785		R1343	1-246-445-00	CARBON 68 5% 1/4W	
Q1326	8-729-117-54	TRANSISTOR 2SA1175		R1344	1-246-473-00	CARBON 1K 5% 1/4W	
Q1327	8-729-117-54	TRANSISTOR 2SA1175		R1345	1-247-831-00	CARBON 1K 5% 1/6W	
Q1328	8-729-178-54	TRANSISTOR 2SC2785		R1346	1-247-831-00	CARBON 1K 5% 1/6W	
Q1329	8-729-178-54	TRANSISTOR 2SC2785		R1347	1-246-457-00	CARBON 220 5% 1/4W	
Q1330	8-729-178-54	TRANSISTOR 2SC2785		R1348	1-246-457-00	CARBON 220 5% 1/4W	
Q1331	8-729-178-54	TRANSISTOR 2SC2785		R1349	1-246-457-00	CARBON 220 5% 1/4W	
Q1333	8-729-117-54	TRANSISTOR 2SA1175		R1350	1-246-543-00	CARBON 820K 5% 1/4W	
Q1334	8-729-178-54	TRANSISTOR 2SC2785		R1351	1-246-543-00	CARBON 820K 5% 1/4W	
Q1335	8-729-178-54	TRANSISTOR 2SC2785		R1352	1-246-543-00	CARBON 820K 5% 1/4W	
Q1336	8-729-178-54	TRANSISTOR 2SC2785		R1353	1-246-517-00	CARBON 68K 5% 1/4W	
Q1337	8-729-178-54	TRANSISTOR 2SC2785		R1354	1-246-497-00	CARBON 10K 5% 1/4W	
Q1500	8-729-178-54	TRANSISTOR 2SC2785		R1355	1-247-815-00	CARBON 220 5% 1/6W	
<u>RESISTOR</u>				R1357	1-246-491-00	CARBON 5.6K 5% 1/4W	
R1304	1-247-844-00	CARBON 3.6K 5% 1/6W		R1358	1-246-491-00	CARBON 5.6K 5% 1/4W	
R1305	1-247-851-00	CARBON 6.8K 5% 1/6W		R1359	1-247-844-00	CARBON 3.6K 5% 1/6W	
R1306	1-247-831-00	CARBON 1K 5% 1/6W		R1360	1-246-489-00	CARBON 4.7K 5% 1/4W	
R1307	1-247-833-00	CARBON 1.2K 5% 1/6W		R1361	1-246-473-00	CARBON 1K 5% 1/4W	
R1308	1-247-839-00	CARBON 2.2K 5% 1/6W		R1362	1-246-501-00	CARBON 15K 5% 1/4W	
R1309	1-247-823-00	CARBON 470 5% 1/6W		R1363	1-246-446-00	CARBON 75 5% 1/4W	
R1310	1-247-823-00	CARBON 470 5% 1/6W		R1364	1-246-473-00	CARBON 1K 5% 1/4W	
R1311	1-247-823-00	CARBON 470 5% 1/6W		R1365	1-246-473-00	CARBON 1K 5% 1/4W	
R1312	1-246-483-00	CARBON 2.7K 5% 1/4W		R1366	1-247-831-00	CARBON 1K 5% 1/6W	
R1313	1-246-473-00	CARBON 1K 5% 1/4W		R1367	1-246-528-00	CARBON 200K 5% 1/4W	
R1314	1-246-455-00	CARBON 180 5% 1/4W		R1368	1-246-501-00	CARBON 15K 5% 1/4W	
R1316	1-246-497-00	CARBON 10K 5% 1/4W		R1369	1-246-493-00	CARBON 6.8K 5% 1/4W	
R1317	1-246-473-00	CARBON 1K 5% 1/4W		R1371	1-246-537-00	CARBON 470K 5% 1/4W	
R1318	1-246-473-00	CARBON 1K 5% 1/4W		R1373	1-246-473-00	CARBON 1K 5% 1/4W	
R1319	1-246-473-00	CARBON 1K 5% 1/4W		R1374	1-246-513-00	CARBON 47K 5% 1/4W	
R1320	1-246-477-00	CARBON 1.5K 5% 1/4W		R1375	1-246-472-00	CARBON 910 5% 1/4W	
R1321	1-246-477-00	CARBON 1.5K 5% 1/4W		R1377	1-246-449-00	CARBON 100 5% 1/4W	
R1322	1-246-477-00	CARBON 1.5K 5% 1/4W		R1378	1-247-825-00	CARBON 560 5% 1/6W	
R1323	1-246-446-00	CARBON 75 5% 1/4W		R1379	1-246-501-00	CARBON 15K 5% 1/4W	
R1324	1-246-446-00	CARBON 75 5% 1/4W		R1380	1-247-855-00	CARBON 10K 5% 1/6W	
R1325	1-246-446-00	CARBON 75 5% 1/4W		R1381	1-247-855-00	CARBON 10K 5% 1/6W	
R1326	1-246-489-00	CARBON 4.7K 5% 1/4W		R1383	1-247-859-00	CARBON 15K 5% 1/6W	
R1327	1-246-489-00	CARBON 4.7K 5% 1/4W		R1384	1-247-806-00	CARBON 91 5% 1/6W	
R1328	1-246-459-00	CARBON 270 5% 1/4W		R1385	1-246-463-00	CARBON 390 5% 1/4W	
R1329	1-246-501-00	CARBON 15K 5% 1/4W		R1386	1-247-863-00	CARBON 22K 5% 1/6W	
R1330	1-246-501-00	CARBON 15K 5% 1/4W		R1387	1-246-489-00	CARBON 4.7K 5% 1/4W	
R1331	1-246-501-00	CARBON 15K 5% 1/4W		R1388	1-246-473-00	CARBON 1K 5% 1/4W	
R1332	1-246-486-00	CARBON 3.6K 5% 1/4W		R1389	1-246-489-00	CARBON 4.7K 5% 1/4W	
R1333	1-246-485-00	CARBON 3.3K 5% 1/4W		R1390	1-246-505-00	CARBON 22K 5% 1/4W	
R1334	1-246-485-00	CARBON 3.3K 5% 1/4W		R1391	1-246-473-00	CARBON 1K 5% 1/4W	
R1335	1-246-485-00	CARBON 3.3K 5% 1/4W		R1392	1-246-473-00	CARBON 1K 5% 1/4W	
				R1393	1-246-473-00	CARBON 1K 5% 1/4W	

BD

BA

Ref.No	Part No	Description	Remark
R1394	1-246-473-00	CARBON 1K 5% 1/4W	
R1395	1-206-469-00	METAL OXIDE 18 5% 2W	F
R1396	1-246-449-00	CARBON 100 5% 1/4W	
R1397	1-246-473-00	CARBON 1K 5% 1/4W	
R1398	1-247-840-00	CARBON 2.4K 5% 1/6W	
R1399	1-247-838-00	CARBON 2K 5% 1/6W	
R1400	1-246-464-00	CARBON 430 5% 1/4W	
R1401	1-246-464-00	CARBON 430 5% 1/4W	
R1402	1-246-464-00	CARBON 430 5% 1/4W	
R1403	1-246-449-00	CARBON 100 5% 1/4W	
R1404	1-246-449-00	CARBON 100 5% 1/4W	
R1405	1-247-838-00	CARBON 2K 5% 1/6W	
R1406	1-247-838-00	CARBON 2K 5% 1/6W	
R1407	1-247-838-00	CARBON 2K 5% 1/6W	
R1408	1-246-473-00	CARBON 1K 5% 1/4W	
R1409	1-246-488-00	CARBON 4.3K 5% 1/4W	
R1410	1-246-497-00	CARBON 10K 5% 1/4W	
R1414	1-247-848-00	CARBON 5.1K 5% 1/6W	
R1416	1-246-484-00	CARBON 3K 5% 1/4W	
R1417	1-246-513-00	CARBON 47K 5% 1/4W	
R1418	1-246-494-00	CARBON 7.5K 5% 1/4W	
R1427	1-246-489-00	CARBON 4.7K 5% 1/4W	
R1430	1-247-807-00	CARBON 100 5% 1/6W	
R1431	1-247-807-00	CARBON 100 5% 1/6W	
R1432	1-247-807-00	CARBON 100 5% 1/6W	
R1433	1-246-443-00	CARBON 56 5% 1/4W	
R1500	1-247-829-00	CARBON 820 5% 1/6W	
R1501	1-247-848-00	CARBON 5.1K 5% 1/6W	
R1502	1-247-848-00	CARBON 5.1K 5% 1/6W	
R1503	1-244-865-51	CARBON 470 5% 1/2W	
R1504	1-247-855-00	CARBON 10K 5% 1/6W	
R1505	1-246-445-00	CARBON 68 5% 1/4W	

VARIABLE RESISTOR

RV1303	1-226-772-00	RES, ADJ, METAL GLAZE 4.7K
RV1304	1-226-772-00	RES, ADJ, METAL GLAZE 4.7K
RV1305	1-226-772-00	RES, ADJ, METAL GLAZE 4.7K
RV1306	1-226-702-00	RES, ADJ, METAL GLAZE 2.2K

♣:A-1135-218-A BA BOARD, COMPLETE

♣:1-508-784-00 1P PLUG
♣:1-508-786-00 2P PLUG (M)
♣:1-508-915-00 PLUG, 1P
♣:1-509-832-00 CONNECTOR ASSY, 1P
♣:1-509-887-00 CONNECTOR ASSY 1P

♣:1-555-302-00 CONNECTOR PLUG ASSY 6P
♣:1-555-303-00 HOUSING ASSY, PLUG 3P
♣:1-555-304-00 RECEPTACLE HOUSING ASSY 3P
♣:1-555-317-00 PLUG ASSY, CONNECTOR 4P
♣:1-555-963-00 CONNECTOR ASSY (2.5MM) 5P

Ref.No	Part No	Description	Remark
♣:1-556-001-00	CONNECTOR ASSY (2.5MM) 6P		
♣:1-556-005-00	CONNECTOR, MINIATURE 2P		
♣:3-660-828-00	HOLDER (9), PC BOARD		
♣:4-341-016-00	HEAT SINK (A)		
♣:4-341-966-00	CASE, SHIELD, D-L		
CONNECTOR			
BA1	♣:1-506-371-00	2P PLUG (L)	
BA2	1-508-765-00	3P PLUG (M)	
BA3	♣:1-506-371-00	2P PLUG (L)	
BA4	1-508-765-00	3P PLUG (M)	
BA6	♣:1-506-371-00	2P PLUG (L)	
BA8	♣:1-506-349-21	3P PLUG (L)	
BA9	♣:1-506-349-21	3P PLUG (L)	
BA10	1-508-765-00	3P PLUG (M)	
BA11	1-508-765-00	3P PLUG (M)	
BA12	♣:1-506-349-21	3P PLUG (L)	
BA13	1-508-765-00	3P PLUG (M)	
CAPACITOR			
C301	1-123-333-00	ELECT 100MF	20% 25V
C302	1-121-806-00	ELECT 10MF	16V
C303	1-123-333-00	ELECT 100MF	16V
C304	1-123-356-00	ELECT 10MF	20% 25V
C305	1-102-971-00	CERAMIC 82PF	5% 50V
C306	1-123-380-00	ELECT 1MF	20% 50V
C307	1-123-380-00	ELECT 1MF	20% 50V
C308	1-102-978-00	CERAMIC 220PF	5% 50V
C309	1-123-380-00	ELECT 1MF	20% 50V
C310	1-102-971-00	CERAMIC 82PF	5% 50V
C312	1-102-816-00	CERAMIC 120PF	5% 50V
C313A	1-102-980-00	CERAMIC 270PF	5% 50V
C313B	1-123-356-00	ELECT 10MF	20% 16V
C314	1-102-858-00	CERAMIC 10PF	0.5PF 50V
C315	1-102-858-00	CERAMIC 10PF	0.5PF 50V
C316	1-123-356-00	ELECT 10MF	20% 16V
C318	1-101-880-00	CERAMIC 47PF	5% 50V
C319	1-101-884-00	CERAMIC 56PF	5% 50V
C320	1-123-356-00	ELECT 10MF	20% 50V
C321	1-108-389-00	MYLAR 0.1MF	10% 100V
C322A	1-102-971-00	CERAMIC 82PF	5% 50V
C322B	1-123-379-00	ELECT 0.47MF	20% 50V
C322C	1-108-389-00	MYLAR 0.1MF	-0% 100V
C323	1-123-380-00	ELECT 1MF	20% 50V
C324	1-123-380-00	ELECT 1MF	20% 50V
C325	1-123-356-00	ELECT 10MF	20% 16V
C326	1-123-356-00	ELECT 10MF	20% 16V
C327	1-123-318-00	ELECT 33MF	20% 16V
C328	1-123-380-00	ELECT 1MF	20% 50V
C329	1-123-380-00	ELECT 1MF	20% 50V
C330	1-102-888-00	CERAMIC 150PF	5% 50V
C331	1-123-380-00	ELECT 1MF	20% 50V
C332	1-123-356-00	ELECT 10MF	20% 16V

Ref.No	Part No	Description			Remark	Ref.No	Part No	Description			Remark
C333	1-101-004-00	CERAMIC	0.01MF		50V	C515	1-123-369-00	ELECT	4.7MF	20%	50V
C334	1-108-370-00	MYLAR	0.0027MF	10%	100V	C516	1-131-417-00	TANTALUM	3.3MF		16V
C335	1-123-447-00	ELECT	0.22MF	20%	50V	C517	1-131-361-00	TANTALUM	2.2MF	10%	20V
C336	1-123-328-00	ELECT	4.7MF	20%	25V	C518	1-131-345-00	TANTALUM	0.47MF	10%	35V
C337	1-123-447-00	ELECT	0.22MF	20%	50V	C519	1-123-358-00	ELECT	33MF	20%	50V
C338	1-102-971-00	CERAMIC	82PF	5%	50V	C520	1-131-199-00	TANTALUM	10MF	10%	16V
C339	1-102-947-00	CERAMIC	10PF	5%	50V	C521	1-102-244-00	CERAMIC	220PF	10%	500V
C340	1-102-959-00	CERAMIC	22PF	5%	50V	C522	1-102-038-00	CERAMIC	0.001MF		500V
C341	1-102-965-00	CERAMIC	39PF	5%	50V	C523	1-121-707-00	ELECT	3.3MF	20%	160V
C342	1-102-965-00	CERAMIC	39PF	5%	50V	C524	1-123-332-00	ELECT	47MF	20%	16V
C343	1-102-965-00	CERAMIC	39PF	5%	50V	C525A	1-108-426-00	MYLAR	0.027MF	10%	200V
C345	1-123-586-00	ELECT	0.1MF	20%	50V	C525B	1-102-824-00	CERAMIC	470PF	5%	50V
C346	1-123-382-00	ELECT	3.3MF	20%	50V	C526	1-123-360-00	ELECT	100MF	20%	50V
C347	1-102-973-00	CERAMIC	100PF	5%	50V	C527	1-131-351-00	TANTALUM	4.7MF	20%	35V
C348	1-102-822-00	CERAMIC	390PF	5%	50V	C529	1-123-335-00	ELECT	330MF	10%	25V
C351	1-123-333-00	ELECT	100MF	20%	16V	C530	1-108-365-00	MYLAR	0.001MF	10%	100V
C352	1-123-380-00	ELECT	1MF	20%	50V	C531	1-108-376-00	MYLAR	0.0082MF	10%	100V
C354	1-102-959-00	CERAMIC	22PF	5%	50V	C532	1-102-038-00	CERAMIC	0.001MF		500V
C355	1-102-963-00	CERAMIC	33PF	5%	50V	C533	△ 1-130-229-11	FILM	0.0133MF	3%	1.2KV
C356	1-123-380-00	ELECT	1MF	20%	50V	C534	△ 1-108-642-11	MYLAR	0.22MF	10%	100V
C357	1-102-978-00	CERAMIC	220PF	5%	50V	C535	1-121-999-00	ELECT	10MF		160V
C358	1-102-965-00	CERAMIC	39PF	5%	50V	C536	1-102-223-00	CERAMIC	0.0047MF	20%	1.6KV
C359	1-101-888-00	CERAMIC	68PF	5%	50V	C537	1-123-356-00	ELECT	10MF	20%	25V
C360	1-123-380-00	ELECT	1MF	20%	50V	C539	1-121-757-00	ELECT	33MF		160V
C361	1-123-380-00	ELECT	1MF	20%	50V	C540	1-102-038-00	CERAMIC	0.001MF		500V
C362	1-123-356-00	ELECT	10MF	20%	25V	C541	1-123-335-00	ELECT	330MF	20%	25V
C363	1-123-328-00	ELECT	4.7MF	20%	25V	C542	1-123-380-00	ELECT	1MF	20%	50V
C365	1-123-333-00	ELECT	100MF	20%	16V	C543	△ 1-130-239-11	FILM	0.43MF	5%	400V
C366	1-123-332-00	ELECT	47MF	20%	16V	C544	1-123-381-00	ELECT	2.2MF	20%	50V
C367	1-102-953-00	CERAMIC	18PF	5%	50V	C545	1-108-365-00	MYLAR	0.001MF	10%	100V
C368	1-101-884-00	CERAMIC	56PF	5%	50V	C546	1-123-381-00	ELECT	2.2MF	20%	50V
C369	1-102-953-00	CERAMIC	18PF	5%	50V	C547	△ 1-102-155-12	CERAMIC	330PF	20%	2KV
C370	1-101-884-00	CERAMIC	56PF	5%	50V	C548	1-129-710-00	FILM	0.0047MF	10%	630V
C371	1-102-953-00	CERAMIC	18PF	5%	50V	C549	1-108-431-00	MYLAR	0.068MF	10%	200V
C372	1-101-884-00	CERAMIC	56PF	5%	50V	C550	1-123-332-00	ELECT	47MF	20%	16V
C373	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C551	1-102-030-00	CERAMIC	330PF	10%	500V
C400	1-123-333-00	ELECT	100MF	20%	16V	C552	1-123-332-00	ELECT	47MF	20%	25V
C401	1-102-947-00	CERAMIC	10PF	5%	50V	C554	1-123-356-00	ELECT	10MF	20%	16V
C449	1-123-321-00	ELECT	220MF	20%	16V	C555	1-102-038-00	CERAMIC	0.001MF		500V
C501	1-123-586-00	ELECT	0.1MF	20%	50V	C556	1-102-038-00	CERAMIC	0.001MF		500V
C502	1-123-356-00	ELECT	10MF	20%	16V	C557	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C503	1-108-367-00	MYLAR	0.0015MF	10%	100V	C558	1-123-380-00	ELECT	1MF	20%	50V
C504	1-108-377-00	MYLAR	0.01MF	10%	100V	C559	1-102-212-00	CERAMIC	820PF	10%	500V
C505	1-108-389-00	MYLAR	0.1MF	10%	100V	C560	1-102-233-00	CERAMIC	33PF	10%	500V
C506	1-108-381-00	MYLAR	0.022MF	10%	100V	C561	1-123-027-00	ELECT	2.2MF		250V
C507	1-123-381-00	ELECT	2.2MF	20%	50V	C562	1-102-038-00	CERAMIC	0.001MF		500V
C508	1-108-373-00	MYLAR	0.0047MF	10%	100V	C563	1-108-379-00	MYLAR	0.015MF	10%	100V
C509	1-130-203-00	FILM	0.01MF	5%	50V	C565	1-123-328-00	ELECT	4.7MF	20%	25V
C510	1-102-820-00	CERAMIC	330PF	5%	50V	C566	1-123-328-00	ELECT	4.7MF	20%	25V
C511	1-123-356-00	ELECT	10MF	20%	16V	C567	1-108-387-00	MYLAR	0.068MF	10%	100V
C512	1-123-321-00	ELECT	220MF	20%	16V	C568	1-123-379-00	ELECT	0.47MF	20%	50V
C513	1-123-330-00	ELECT	22MF	20%	25V	C569	1-108-378-00	MYLAR	0.012MF	10%	100V
C514	1-123-321-00	ELECT	220MF	20%	16V	C570	1-123-330-00	ELECT	22MF	20%	25V

NOTE:

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
C571	1-108-427-00	MYLAR 0.033MF	10% 200V	D527	8-719-900-93	DIODE V09C	
C572	1-123-333-00	ELECT 100MF	20% 16V	D601	8-719-911-15	DIODE U05G	
C573	1-123-379-00	ELECT 0.47MF	20% 50V	D602	8-719-911-15	DIODE U05G	
C575	1-123-331-00	ELECT 33MF	20% 25V	D603	8-719-911-15	DIODE U05G	
C576	1-123-379-00	ELECT 0.47MF	20% 50V	D604	8-719-911-15	DIODE U05G	
C577	1-102-125-00	CERAMIC 0.0047MF	10% 50V	D605	8-719-900-93	DIODE V09C	
C578	1-123-333-00	ELECT 100MF	20% 16V				
C594	1-102-112-00	CERAMIC 330PF	10% 50V			<u>DELAY LINE</u>	
C596	1-123-379-00	ELECT 0.47MF	20% 50V	DL301	1-415-280-00	DELAY LINE (1H)	
C598	1-108-369-00	MYLAR 0.0022MF	10% 100V	DL302	1-415-271-00	DELAY LINE	
C599	1-108-393-00	MYLAR 0.22MF	10% 100V			<u>FUSE</u>	
C602	1-102-085-00	CERAMIC 0.0047MF	500V	F602	▲ 1-532-349-11	FUSE 4A 125V	
C603	1-102-085-00	CERAMIC 0.0047MF	500V		1-517-072-00	LAMP HOLDER , F602	
C604	1-125-213-00	ELECT (BLOCK) 560MF	180V	F603	▲ 1-532-555-11	FUSE, GLASS TUBE 1.6A 125V	
C606	1-121-757-00	ELECT 33MF	160V		▲ 1-533-146-00	HOLDER, FUSE , F603	
C607	1-121-999-00	ELECT 10MF	160V			<u>IC</u>	
C608	1-102-030-00	CERAMIC 330PF	10% 500V	IC301	8-759-125-56	IC CX556B	
C609	1-102-085-00	CERAMIC 0.0047MF	500V	IC302	8-759-908-41	IC CX841	
C610	▲ 1-102-085-51	CERAMIC 0.0047MF	500V	IC501	8-759-115-57	IC CX557A	
C611	▲ 1-108-745-52	MYLAR 0.22MF	20% 125V	IC601	▲ 1-231-416-21	MODULE, POWER	
		<u>FILTER</u>				<u>JACK</u>	
CF301	1-409-332-00	CERAMIC TRAP (4.5MHZ)		J301	▲ 1-526-575-00	SOCKET, PLUG	
		<u>TRIMMER</u>				<u>COIL</u>	
CV301	1-141-181-11	CAP, TRIMMER		L301	1-407-696-00	MICRO INDUCTOR 18UH	
		<u>DIODE</u>		L302	1-407-571-00	COIL, VARIABLE 22UH	
D301	8-719-911-19	DIODE 1SS119		L303	1-407-696-00	MICRO INDUCTOR 18UH	
D302	8-719-911-19	DIODE 1SS119		L304	1-407-695-00	MICRO INDUCTOR 15UH	
D303	8-719-911-19	DIODE 1SS119		L305	1-407-701-00	MICRO INDUCTOR 47UH	
D304	8-719-175-07	DIODE RD7.5E-B		L307	1-407-696-00	MICRO INDUCTOR 18UH	
D501	8-719-100-64	DIODE RD12E-B1Z		L308A	1-409-193-00	COIL 3.58MHZ TRAP	
D502	8-719-156-25	DIODE RD5.6E-B2Z		L308B	1-408-163-00	MICRO INDUCTOR 5.6MMH	
D503	8-719-911-19	DIODE 1SS119		L309	1-407-166-XX	MICRO INDUCTOR 56UH	
D504	▲ 8-719-901-93	DIODE V19E		L310A	1-407-695-00	MICRO INDUCTOR 15UH	
D505	8-719-900-93	DIODE V09C		L310B	1-407-158-XX	MICRO INDUCTOR 12UH	
D506	8-719-300-76	DIODE RH1A		L311	1-407-158-XX	MICRO INDUCTOR 12UH	
D507	8-719-305-15	DIODE GH3F		L312	1-407-158-XX	MICRO INDUCTOR 12UH	
D508	8-719-911-19	DIODE 1SS119		L313A	1-407-170-XX	MICRO INDUCTOR 120UH	
D509	8-719-901-19	DIODE V11N		L313B	1-407-705-00	MICRO INDUCTOR 100UH	
D510	▲ 8-719-320-11	DIODE HF1A		L314	1-407-159-XX	MICRO INDUCTOR 15UH	
D511	8-719-901-93	DIODE V19E		L315	1-407-159-XX	MICRO INDUCTOR 15UH	
D514	8-719-190-00	DIODE RD24E-B27		L316	1-407-159-XX	MICRO INDUCTOR 15UH	
D517	8-719-911-19	DIODE 1SS119		L319	1-407-159-XX	MICRO INDUCTOR 15UH	
D518	8-719-900-93	DIODE V09C		L320	1-407-165-XX	MICRO INDUCTOR 47UH	
D519	8-719-900-93	DIODE V09C		L324	1-407-693-00	MICRO INDUCTOR 10UH	
D520	8-719-900-93	DIODE V09C		L502	1-459-104-00	COIL, DUST CORE	
D521	8-719-100-68	DIODE RD13E-B2		L503	1-459-309-00	COIL, VARIABLE	
D522	8-719-100-48	DIODE RD8.2E-B2		L504	▲ 1-459-241-11	COIL, HORIZONTAL LINIALITY	
D523	8-719-900-93	DIODE V09C		L505	1-459-074-00	COIL, DUST CORE 6.8MMH(HCC)	
D524	8-719-911-19	DIODE 1SS119					
D525	8-719-900-93	DIODE V09C					

NOTE:

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Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
L506	1-407-716-00	MICRO INDUCTOR 820UH		RESISTOR			
L507	1-407-702-11	MICRO INDUCTOR 220UH		R301	1-247-855-00	CARBON 10K 5% 1/6W	
L508	1-407-699-00	MICRO INDUCTOR 33UH		R302	1-247-831-00	CARBON 1K 5% 1/6W	
L509	1-407-702-11	MICRO INDUCTOR 56UH		R303	1-247-851-00	CARBON 6.8K 5% 1/6W	
L511	1-408-247-00	MICRO INDUCTOR 33MMH		R304	1-246-477-00	CARBON 1.5K 5% 1/4W	
L512	1-407-687-00	MICRO INDUCTOR 3.3UH		R305	1-247-851-00	CARBON 6.8K 5% 1/6W	
L515	1-407-494-00	MICRO INDUCTOR 1.5MMH		R306	1-247-851-00	CARBON 6.8K 5% 1/6W	
L601	1-407-364-00	COIL, SPOOK CHOKE		R307	1-247-823-00	CARBON 470 5% 1/6W	
NEON LAMP				R308	1-247-853-00	CARBON 8.2K 5% 1/6W	
NL501	1-519-108-XX	LAMP, NEON ASSY		R309	1-246-471-00	CARBON 820 5% 1/4W	
TRANSISTOR				R310	1-246-501-00	CARBON 15K 5% 1/4W	
Q301	8-729-178-54	TRANSISTOR 2SC2785		R311	1-247-853-00	CARBON 8.2K 5% 1/6W	
Q302	8-729-178-54	TRANSISTOR 2SC2785		R312	1-247-823-00	CARBON 470 5% 1/6W	
Q303	8-729-178-54	TRANSISTOR 2SC2785		R313	1-246-465-00	CARBON 470 5% 1/4W	
Q304	8-729-178-54	TRANSISTOR 2SC2785		R314	1-247-841-00	CARBON 2.7K 5% 1/6W	
Q305	8-729-117-54	TRANSISTOR 2SA1175		R315	1-246-481-00	CARBON 2.2K 5% 1/4W	
Q306	8-729-178-54	TRANSISTOR 2SC2785		R316	1-246-457-00	CARBON 220 5% 1/4W	
Q307	8-729-178-54	TRANSISTOR 2SC2785		R317	1-246-469-00	CARBON 680 5% 1/4W	
Q308	8-729-178-54	TRANSISTOR 2SC2785		R318	1-247-803-00	CARBON 68 5% 1/6W	
Q309	8-729-178-54	TRANSISTOR 2SC2785		R319	1-246-455-00	CARBON 180 5% 1/4W	
Q310	8-729-178-54	TRANSISTOR 2SC2785		R320	1-246-469-00	CARBON 680 5% 1/4W	
Q311	8-729-178-54	TRANSISTOR 2SC2785		R321	1-246-461-00	CARBON 330 5% 1/4W	
Q312	8-729-117-54	TRANSISTOR 2SA1175		R322	1-246-469-00	CARBON 680 5% 1/4W	
Q313	8-729-178-54	TRANSISTOR 2SC2785		R323	1-246-469-00	CARBON 680 5% 1/4W	
Q315	8-729-178-54	TRANSISTOR 2SC2785		R324	1-246-469-00	CARBON 680 5% 1/4W	
Q316	8-729-178-54	TRANSISTOR 2SC2785		R325	1-246-469-00	CARBON 680 5% 1/4W	
Q317	8-729-117-54	TRANSISTOR 2SA1175		R326	1-246-473-00	CARBON 1K 5% 1/4W	
Q318	8-729-178-54	TRANSISTOR 2SC2785		R327	1-246-473-00	CARBON 1K 5% 1/4W	
Q319	8-729-178-54	TRANSISTOR 2SC2785		R328	1-246-465-00	CARBON 470 5% 1/4W	
Q320	8-729-178-54	TRANSISTOR 2SC2785		R329	1-246-471-00	CARBON 820 5% 1/4W	
Q321	8-729-178-54	TRANSISTOR 2SC2785		R331	1-246-473-00	CARBON 1K 5% 1/4W	
Q322	8-729-117-54	TRANSISTOR 2SA1175		R332	1-246-459-00	CARBON 270 5% 1/4W	
Q323	8-729-117-54	TRANSISTOR 2SA1175		R334	1-246-465-00	CARBON 470 5% 1/4W	
Q324	8-729-178-54	TRANSISTOR 2SC2785		R335	1-246-475-00	CARBON 1.2K 5% 1/4W	
Q325	8-729-178-54	TRANSISTOR 2SC2785		R336	1-246-461-00	CARBON 330 5% 1/4W	
Q326	8-729-178-54	TRANSISTOR 2SC2785		R337	1-246-473-00	CARBON 1K 5% 1/4W	
Q327	8-729-178-54	TRANSISTOR 2SC2785		R338	1-246-473-00	CARBON 1K 5% 1/4W	
Q328	8-729-178-54	TRANSISTOR 2SC2785		R339	1-246-457-00	CARBON 220 5% 1/4W	
Q329	8-729-178-54	TRANSISTOR 2SC2785		R340	1-247-859-00	CARBON 15K 5% 1/6W	
Q501	8-729-213-11	TRANSISTOR 2SC2230A		R341	1-246-487-00	CARBON 3.9K 5% 1/4W	
Q502	8-729-169-02	TRANSISTOR 2SC2690A		R342	1-247-831-00	CARBON 1K 5% 1/6W	
Q503	8-729-122-02	TRANSISTOR 2SA1220A		R343	1-247-825-00	CARBON 560 5% 1/6W	
Q504	8-763-623-00	TRANSISTOR 2SC1810		R344	1-247-835-00	CARBON 1.5K 5% 1/6W	
Q505	8-760-413-10	TRANSISTOR 2SC1475		R345	1-247-857-00	CARBON 12K 5% 1/6W	
Q506	8-763-113-00	TRANSISTOR 2SC1761		R346	1-247-851-00	CARBON 6.8K 5% 1/6W	
Q507	8-729-178-54	TRANSISTOR 2SC2785		R347	1-246-521-00	CARBON 100K 5% 1/4W	
Q508	8-729-178-54	TRANSISTOR 2SC2785		R348	1-246-497-00	CARBON 10K 5% 1/4W	
Q509	8-729-117-54	TRANSISTOR 2SA1175		R349	1-202-645-00	SOLID 1M 10% 1/2W	
Q510	8-729-309-08	TRANSISTOR 2SC1890A		R350	1-246-481-00	CARBON 2.2K 5% 1/4W	
Q511	8-729-178-54	TRANSISTOR 2SC2785		R351	1-246-493-00	CARBON 6.8K 5% 1/4W	
Q601	8-729-195-82	TRANSISTOR 2SC2958		R352	1-246-497-00	CARBON 10K 5% 1/4W	
				R353	1-246-467-00	CARBON 560 5% 1/4W	

NOTE:

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
R354	1-246-483-00	CARBON	2.7K 5% 1/4W	R408	1-246-481-00	CARBON	2.2K 5% 1/4W
R355	1-247-887-00	CARBON	220K 5% 1/6W	R409	1-246-473-00	CARBON	1K 5% 1/4W
R356	1-246-497-00	CARBON	10K 5% 1/4W	R410	1-246-473-00	CARBON	1K 5% 1/4W
R357	1-246-513-00	CARBON	47K 5% 1/4W	R412	1-247-867-00	CARBON	33K 5% 1/6W
R358	1-246-489-00	CARBON	4.7K 5% 1/4W	R413	1-246-473-00	CARBON	1K 5% 1/4W
R359	1-246-499-00	CARBON	12K 5% 1/4W	R415	1-246-499-00	CARBON	12K 5% 1/4W
R360	1-247-847-00	CARBON	4.7K 5% 1/6W	R416	1-246-491-00	CARBON	5.6K 5% 1/4W
R361	1-247-843-00	CARBON	3.3K 5% 1/6W	R420	1-246-483-00	CARBON	2.7K 5% 1/4W
R362	1-246-497-00	CARBON	10K 5% 1/4W	R421	1-246-457-00	CARBON	220 5% 1/4W
R364	1-246-505-00	CARBON	22K 5% 1/4W	R422	1-246-487-00	CARBON	3.9K 5% 1/4W
R365	1-247-843-00	CARBON	3.3K 5% 1/6W	R423	1-246-471-00	CARBON	820 5% 1/4W
R366	1-246-483-00	CARBON	2.7K 5% 1/4W	R425	1-247-825-00	CARBON	560 5% 1/6W
R367	1-247-863-00	CARBON	22K 5% 1/6W	R426	1-246-473-00	CARBON	1K 5% 1/4W
R368	1-246-473-00	CARBON	1K 5% 1/4W	R427	1-247-807-00	CARBON	100 5% 1/6W
R369	1-246-477-00	CARBON	1.5K 5% 1/4W	R428	1-247-879-00	CARBON	100K 5% 1/6W
R370	1-246-457-00	CARBON	220 5% 1/4W	R429	1-247-843-00	CARBON	3.3K 5% 1/6W
R371	1-247-819-00	CARBON	330 5% 1/6W	R430	1-247-859-00	CARBON	15K 5% 1/6W
R372	1-247-819-00	CARBON	330 5% 1/6W	R432	1-247-855-00	CARBON	10K 5% 1/6W
R373	1-247-819-00	CARBON	330 5% 1/6W	R433	1-247-839-00	CARBON	2.2K 5% 1/6W
R374	1-246-505-00	CARBON	2.2K 5% 1/4W	R435	1-247-839-00	CARBON	2.2K 5% 1/6W
R375	1-246-515-00	CARBON	56K 5% 1/4W	R436	1-247-839-00	CARBON	2.2K 5% 1/6W
R376	1-246-467-00	CARBON	560 5% 1/4W	R437	1-247-839-00	CARBON	2.2K 5% 1/6W
R377	1-247-849-00	CARBON	5.6K 5% 1/6W	R438	1-202-667-00	SOLID	8.2M 10% 1/2W
R378	1-246-490-00	CARBON	5.1K 5% 1/4W	R501	1-246-453-00	CARBON	150 5% 1/4W
R379	1-246-461-00	CARBON	330 5% 1/4W	R502	1-247-895-00	CARBON	470K 5% 1/6W
R380	1-246-513-00	CARBON	47K 5% 1/4W	R503	1-246-513-00	CARBON	47K 5% 1/4W
R381	1-246-471-00	CARBON	820 5% 1/4W	R504	1-246-485-00	CARBON	3.3K 5% 1/4W
R382	1-246-473-00	CARBON	1K 5% 1/4W	R505	1-246-505-00	CARBON	22K 5% 1/4W
R383	1-246-463-00	CARBON	390 5% 1/4W	R506	1-246-481-00	CARBON	2.2K 5% 1/4W
R384	1-246-467-00	CARBON	560 5% 1/4W	R507	1-246-479-00	CARBON	1.8K 5% 1/4W
R385	1-246-543-00	CARBON	820K 5% 1/4W	R508	1-247-835-00	CARBON	1.5K 5% 1/6W
R385A	1-246-543-00	CARBON	820K 5% 1/4W	R509	1-246-461-00	CARBON	330 5% 1/4W
R386	1-246-461-00	CARBON	330 5% 1/4W	R510	1-246-509-00	CARBON	33K 5% 1/4W
R387	1-246-461-00	CARBON	330 5% 1/4W	R511	1-246-493-00	CARBON	6.8K 5% 1/4W
R388	1-247-843-00	CARBON	3.3K 5% 1/6W	R512	1-246-512-00	CARBON	43K 5% 1/4W
R389	1-247-839-00	CARBON	2.2K 5% 1/6W	R513	1-246-500-00	CARBON	13K 5% 1/4W
R390	1-202-645-00	SOLID	1M 10% 1/2W	R514	1-206-467-00	METAL OXIDE	15 5% 2W F
R391	1-246-457-00	CARBON	220 5% 1/4W	R515	1-247-825-00	CARBON	560 5% 1/6W
R392	1-246-497-00	CARBON	10K 5% 1/4W	R516	1-246-482-00	CARBON	2.4K 5% 1/4W
R393	1-247-832-00	CARBON	1.1K 5% 1/6W	R517	1-246-491-00	CARBON	5.6K 5% 1/4W
R394	1-246-472-00	CARBON	910 5% 1/4W	R518	1-211-431-00	CARBON	150 5% 1/8W F
R395	1-247-857-00	CARBON	12K 5% 1/6W	R519	1-211-930-00	CARBON	33 5% 1/8W F
R396	1-246-479-00	CARBON	1.8K 5% 1/4W	R520	1-206-686-00	METAL OXIDE	8.2K 5% 2W F
R397	1-246-497-00	CARBON	10K 5% 1/4W	R521	1-212-361-00	METAL OXIDE	1.2 5% 1W F
R398	1-246-483-00	CARBON	2.7K 5% 1/4W	R522	1-244-873-00	CARBON	1K 5% 1/2W
R399	1-246-479-00	CARBON	1.8K 5% 1/4W	R523	1-246-479-00	CARBON	1.8K 5% 1/4W
R400	1-246-473-00	CARBON	1K 5% 1/4W	R524	1-246-481-00	CARBON	2.2K 5% 1/4W
R401	1-246-495-00	CARBON	8.2K 5% 1/4W	R525	1-212-362-00	METAL OXIDE	1.5 5% 1W F
R402	1-246-455-00	CARBON	180 5% 1/4W	R526	1-244-909-00	CARBON	33K 5% 1/2W
R403	1-246-477-00	CARBON	1.5K 5% 1/4W	R527	1-212-368-00	METAL OXIDE	4.7 5% 1W F
R404	1-246-483-00	CARBON	2.7K 5% 1/4W	R528	1-206-666-00	METAL OXIDE	1.2K 5% 2W F
R405	1-246-465-00	CARBON	470 5% 1/4W	R529	1-247-663-00	CARBON	1.5K 5% 1/4W F
R406	1-247-839-00	CARBON	2.2K 5% 1/6W	R530	1-211-929-00	CARBON	82 5% 1/8W F
R407	1-246-495-00	CARBON	8.2K 5% 1/4W				

BA

F

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
R531	1-211-542-00	CARBON	680 5% 1/4W F	R586	1-246-457-00	CARBON	220 5% 1/4W
■ R532	▲ 1-212-361-61	METAL	1/4W	R590	1-214-164-00	METAL	22K 1% 1/4W
R533	▲ 1-212-361-61	METAL OXIDE	1.2 5% 1W F	R600	1-246-449-00	CARBON	100 5% 1/4W
R534	1-213-146-00	METAL OXIDE	1.8K 5% 1W F	R601	▲ 1-246-989-11	CARBON	82 5% 1/8W F
R535	1-246-521-00	CARBON	100K 5% 1/4W	R602	▲ 1-213-156-61	METAL OXIDE	12K 5% 1W F
R536	1-246-499-00	CARBON	12K 5% 1/4W	R603	1-244-917-00	CARBON	68K 5% 1/2W
R537	1-214-157-00	METAL	11K 1% 1/4W	R604	1-246-528-00	CARBON	200K 5% 1/4W
R538	1-214-151-00	METAL	6.2K 1% 1/4W	R605	▲ 1-213-161-61	METAL OXIDE	33K 5% 1W F
R539	1-246-505-00	CARBON	22K 5% 1/4W	R606	1-247-037-00	CARBON	390 5% 1/8W F
R540	1-214-156-00	METAL	10K 1% 1/4W	R607	▲ 1-202-661-15	SOLID	4.7M 5% 1/2W
R541	1-212-712-00	METAL	270K 1% 1/2W	R610	▲ 1-202-725-11	SOLID	3.3M 10% 1/2W
R542	1-246-513-00	CARBON	47K 5% 1/4W	<u>VARIABLE RESISTOR</u>			
R543	1-246-481-00	CARBON	2.2K 5% 1/4W	RV301	1-226-770-00	RES, ADJ, METAL GLAZE	470
R544	1-211-483-00	CARBON	22K 5% 1/8W F	RV302	1-224-552-00	RES, ADJ, CARBON	470K
R545	1-246-497-00	CARBON	10K 5% 1/4W	RV303	1-222-784-00	RES, ADJ, CARBON	3.3K
R546	1-246-457-00	CARBON	220 5% 1/4W	RV304	1-222-518-31	RES, ADJ, CARBON	4.7K
R547	1-246-485-00	CARBON	3.3K 5% 1/4W	RV501	1-226-819-00	RES, ADJ, METAL GLAZE	1K
R548	1-212-361-00	METAL OXIDE	1.2 5% 1W F	RV502	1-222-784-00	RES, ADJ, CARBON	3.3K
R549	1-211-506-00	CARBON	22 5% 1/4W F	RV503	1-224-645-XX	RES, ADJ, CARBON	10K
R550	1-213-133-00	METAL OXIDE	150 5% 1W F	RV504	1-224-646-XX	RES, ADJ, CARBON	22K
R551A	1-246-461-00	CARBON	330 5% 1/4W	RV505	1-222-518-31	RES, ADJ, CARBON	4.7K
R551B	1-246-497-00	CARBON	10K 5% 1/4W	RV506	1-224-643-XX	RES, ADJ, CARBON	2.2K
R552	1-246-465-00	CARBON	470 5% 1/4W	<u>SPARK GAP</u>			
R554	1-246-513-00	CARBON	47K 5% 1/4W	SG501	1-519-063-XX	DISCHARGING GAP	1.5K
R555	▲ 1-246-979-11	METAL OXIDE	1.2 5% 1/8W F	<u>TRANSFORMER</u>			
R556	1-246-543-00	CARBON	820K 5% 1/4W	T301	1-425-786-00	TRANSFORMER, BANDPASS(BPT)	
R558	1-246-486-00	CARBON	3.6K 5% 1/4W	T501	1-437-078-00	TRANSFORMER, HORIZONTAL DRIVE	
R560	1-211-466-00	CARBON	4.3K 5% 1/8W F	T502	▲ 1-421-391-11	TRANSFORMER, FERRITE	
R561	1-214-152-00	METAL	6.8K 1% 1/4W	<u>THERMISTOR</u>			
R562	1-246-463-00	CARBON	390 5% 1/4W	THP601	▲ 1-800-686-11	THERMISTOR	
R563	1-246-533-00	CARBON	330K 5% 1/4W	<u>CRYSTAL</u>			
R564	1-246-513-00	CARBON	47K 5% 1/4W	X301	1-527-396-00	CRYSTAL, OSC	
R565	1-247-833-00	CARBON	1.2K 5% 1/6W	*****			
R566	1-213-129-00	METAL OXIDE	68 5% 1W F	▲:1-610-192-00	F BOARD		
R567	1-206-692-00	METAL OXIDE	15K 5% 2W F	*****			
R568	1-213-127-00	METAL OXIDE	47 5% 1W F	▲:1-508-765-00	3P PLUG (M)		
R569	1-246-441-00	CARBON	47 5% 1/4W	1-517-072-00	LAMP HOLDER		
R570	1-206-664-00	METAL OXIDE	1K 5% 2W F	<u>CAPACITOR</u>			
R571	1-247-839-00	CARBON	2.2K 5% 1/6W	C651	▲ 1-108-748-52	MYLAR	0.068MF 20% 125V
R572	1-246-511-00	CARBON	39K 5% 1/4W	<u>FUSE</u>			
R573	1-246-489-00	CARBON	4.7K 5% 1/4W	F601	▲ 1-532-509-11	FUSE, GLASS TUBE 6.3A	125V
R574	1-246-507-00	CARBON	27K 5% 1/4W				
R575	1-246-497-00	CARBON	10K 5% 1/4W				
R576	1-246-465-00	CARBON	470 5% 1/4W				
R577	1-246-505-00	CARBON	22K 5% 1/4W				
R578	1-246-485-00	CARBON	3.3K 5% 1/4W				
R579	1-246-529-00	CARBON	220K 5% 1/4W				
R580	1-246-453-00	CARBON	150 5% 1/4W				
R581	1-246-511-00	CARBON	39K 5% 1/4W				
R582	1-246-481-00	CARBON	2.2K 5% 1/4W				
R583	1-246-523-00	CARBON	120K 5% 1/4W				
R584	1-246-437-00	CARBON	33 5% 1/4W				
R585	1-246-491-00	CARBON	5.6K 5% 1/4W				

NOTE:

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F

U1

N

Ref.No Part No Description Remark

COIL

L651 A.1-421-511-11 COIL, LINE FILTER
L652 A.1-421-458-11 FILTER, LINE (LFT)

A:1-606-092-21 U1 BOARD

A:1-556-103-00 CONNECTOR ASSY (2.5MM) 4P

RESISTOR

R01 1-246-446-00 CARBON 75 5% 1/4W
R02 1-246-442-00 CARBON 51 5% 1/4W

VARIABLE RESISTOR

RV901 1-228-490-00 RES, VAR, CARBON 10K

A:A-1280-176-A N BOARD, COMPLETE

A:1-555-303-00 HOUSING ASSY, PLUG 3P
A:1-556-013-00 CONNECTOR ASSY (2.5MM) 3P
A:4-355-609-00 SHIELD, RELAY

CAPACITOR

C101 1-102-980-00 CERAMIC 270PF 5% 50V
C102 1-102-824-00 CERAMIC 470PF 5% 50V
C103 1-102-978-00 CERAMIC 220PF 5% 50V
C104 1-123-382-00 ELECT 3.3MF 20% 50V
C105 1-123-356-00 ELECT 10MF 20% 16V

C106 1-123-336-00 ELECT 470MF 20% 25V
C107 1-108-571-00 MYLAR 0.0047MF 5% 50V
C108 1-108-571-00 MYLAR 0.0047MF 5% 50V
C109 1-108-571-00 MYLAR 0.0047MF 5% 50V
C110 1-123-356-00 ELECT 10MF 20% 16V

C111 1-108-595-00 MYLAR 0.047MF 5% 50V
C112 1-123-324-00 ELECT 1000MF 20% 16V
C113 1-123-330-00 ELECT 22MF 20% 16V
C114 1-123-356-00 ELECT 10MF 20% 16V
C115 1-131-345-00 TANTALUM 0.47MF 10% 35V

C116 1-108-571-00 MYLAR 0.0047MF 5% 50V
C117 1-108-555-00 MYLAR 0.001MF 5% 50V
C118 1-131-345-00 TANTALUM 0.47MF 20% 35V
C119 1-232-019-00 COMPOSITION CIRCUIT BLOCK
C120 1-102-074-00 CERAMIC 0.001MF 10% 50V

DIODE

D101 8-719-911-19 DIODE 1SS119
D102 8-719-911-19 DIODE 1SS119
D103 8-719-911-19 DIODE 1SS119
D104 8-719-911-19 DIODE 1SS119
D105 8-719-911-19 DIODE 1SS119

Ref.No Part No Description Remark

D107 8-719-900-93 DIODE V09C
D108 8-719-900-93 DIODE V09C
D109 8-719-900-93 DIODE V09C
D110 8-719-900-93 DIODE V09C
D111 8-719-900-93 DIODE V09C

D112 8-719-111-07 DIODE RD11E-B
D113 8-719-102-82 DIODE RD7.5E-N3

IC

IC101 8-759-162-36 IC UPD546C-236
IC102 8-759-240-16 IC TC4016BP
IC103 8-759-145-58 IC UPC4558C

COIL

L101 1-408-398-00 MICRO INDUCTOR 1.2UH
L102 1-407-159-XX MICRO INDUCTOR 15UH

CONNECTOR

N1 A:1-506-371-00 2P PLUG (L)
N2 A:1-508-786-00 2P PLUG (M)
N3 A:1-560-126-00 PLUG, CONNECTOR (2.5MM) 6P
N4 A:1-560-290-00 PLUG, CONNECTOR (2.5MM PITCH)
N5 A:1-560-290-00 PLUG, CONNECTOR (2.5MM PITCH)

N6 A:1-560-125-00 PLUG, CONNECTOR (2.5MM) 5P
N7 A:1-560-123-00 PLUG, CONNECTOR (2.5MM) 3P
N8 A:1-560-290-00 PLUG, CONNECTOR (2.5MM PITCH)

TRANSISTOR

Q101 8-729-178-54 TRANSISTOR 2SC2785
Q102 8-729-178-54 TRANSISTOR 2SC2785
Q103 8-729-117-54 TRANSISTOR 2SA1175
Q104 8-729-178-54 TRANSISTOR 2SC2785
Q105 8-729-178-54 TRANSISTOR 2SC2785

Q106 8-729-178-54 TRANSISTOR 2SC2785
Q107 8-729-117-54 TRANSISTOR 2SA1175
Q108 8-729-178-54 TRANSISTOR 2SC2785
Q109 8-729-177-43 TRANSISTOR 2SD774
Q110 8-729-117-54 TRANSISTOR 2SA1175

Q111 8-729-117-54 TRANSISTOR 2SA1175
Q112 8-769-200-20 TRANSISTOR 2SK107-2

RESISTOR

R101 1-246-537-00 CARBON 470K 5% 1/4W
R102 1-246-473-00 CARBON 1K 5% 1/4W
R103 1-246-473-00 CARBON 1K 5% 1/4W
R104 1-246-473-00 CARBON 1K 5% 1/4W
R105 1-246-505-00 CARBON 22K 5% 1/4W

R106 1-246-505-00 CARBON 22K 5% 1/4W
R107 1-246-505-00 CARBON 22K 5% 1/4W
R108 1-246-489-00 CARBON 4.7K 5% 1/4W
R109 1-246-485-00 CARBON 3.3K 5% 1/4W
R110 1-246-517-00 CARBON 68K 5% 1/4W

NOTE:

The components identified by shading and mark A are critical for safety. Replace only with part number specified.



Ref.No	Part No	Description	Remark
R111	1-246-515-00	CARBON 56K 5% 1/4W	
R112	1-246-497-00	CARBON 10K 5% 1/4W	
R113	1-246-497-00	CARBON 10K 5% 1/4W	
R114	1-246-497-00	CARBON 10K 5% 1/4W	
R115	1-246-497-00	CARBON 10K 5% 1/4W	
R116	1-246-505-00	CARBON 22K 5% 1/4W	
R117	1-246-515-00	CARBON 56K 5% 1/4W	
R118	1-246-513-00	CARBON 47K 5% 1/4W	
R119	1-246-505-00	CARBON 22K 5% 1/4W	
R120	1-246-489-00	CARBON 4.7K 5% 1/4W	
R121	1-246-505-00	CARBON 22K 5% 1/4W	
R122	1-246-475-00	CARBON 1.2K 5% 1/4W	
R123	1-246-505-00	CARBON 22K 5% 1/4W	
R124	1-246-495-00	CARBON 8.2K 5% 1/4W	
R125	1-246-475-00	CARBON 1.2K 5% 1/4W	
R126	1-246-515-00	CARBON 56K 5% 1/4W	
R127	1-246-509-00	CARBON 33K 5% 1/4W	
R128	1-246-491-00	CARBON 5.6K 5% 1/4W	
R129	1-246-505-00	CARBON 22K 5% 1/4W	
R130	1-246-499-00	CARBON 12K 5% 1/4W	
R131	1-246-473-00	CARBON 1K 5% 1/4W	
R132	1-247-023-00	CARBON 2.2 5% 1/8W F	
R133	1-211-409-00	CARBON 10 5% 1/8W F	
R134	1-206-479-00	METAL OXIDE 47 5% 2W F	
R135	1-246-473-00	CARBON 1K 5% 1/4W	
R136	1-246-530-00	CARBON 240K 5% 1/4W	
R137	1-246-505-00	CARBON 22K 5% 1/4W	
R138	1-246-497-00	CARBON 10K 5% 1/4W	
R139	1-246-477-00	CARBON 1.5K 5% 1/4W	
R140	1-246-485-00	CARBON 3.3K 5% 1/4W	
R141	1-246-494-00	CARBON 7.5K 5% 1/4W	
R142	1-246-489-00	CARBON 4.7K 5% 1/4W	
R143	1-246-473-00	CARBON 1K 5% 1/4W	
R144	1-246-473-00	CARBON 1K 5% 1/4W	
R145	1-246-513-00	CARBON 47K 5% 1/4W	
R146	1-246-487-00	CARBON 3.9K 5% 1/4W	
R147	1-246-505-00	CARBON 22K 5% 1/4W	
R148	1-246-505-00	CARBON 22K 5% 1/4W	
R149	1-246-479-00	CARBON 1.8K 5% 1/4W	
R150	1-246-497-00	CARBON 10K 5% 1/4W	
R151	1-246-497-00	CARBON 10K 5% 1/4W	
R152	1-246-497-00	CARBON 10K 5% 1/4W	
R153	1-246-473-00	CARBON 1K 5% 1/4W	
R154	1-246-473-00	CARBON 1K 5% 1/4W	
R155	1-246-473-00	CARBON 1K 5% 1/4W	
R156	1-246-497-00	CARBON 10K 5% 1/4W	
R157	1-232-184-11	COMPOSITION CIRCUIT BLOCK	
R158	1-231-569-00	COMPOSITION CIRCUIT BLOCK	
R159	1-246-473-00	CARBON 1K 5% 1/4W	
R160	1-235-084-00	RES, COMPONENT	
R140B	1-246-519-00	CARBON 82K 5% 1/4W	

Ref.No	Part No	Description	Remark
<u>RELAY</u>			
RL101A	1-515-357-12	RELAY	
<u>CRYSTAL</u>			
X101	1-527-532-00	OSCILLATOR, CERAMIC	

♣:A-1330-435-A C BOARD, COMPLETE			

1-526-616-00 SOCKET, CRT			
1-526-616-00 SOCKET, CRT			
♣:1-555-963-00 CONNECTOR ASSY (2.5MM) 5P			
♣:1-556-022-00 CONNECTOR ASSY, MINIATURE 3P			
♣:1-604-963-00 C BOARD			
<u>CONNECTOR</u>			
C1	♣:1-508-786-00	2P PLUG (M)	
C2	♣:1-506-371-00	2P PLUG (L)	
<u>CAPACITOR</u>			
C701	1-121-738-00	ELECT 10MF	50V
C702	1-129-737-00	FILM 0.047MF	20% 630V
C703	1-102-155-00	CERAMIC 330PF	20% 2KV
C704	1-123-356-00	ELECT 10MF	20% 25V
C706	1-102-980-00	CERAMIC 270PF	5% 50V
C707	1-102-978-00	CERAMIC 220PF	5% 50V
C708	1-102-820-00	CERAMIC 330PF	5% 50V
C709	1-108-704-61	MYLAR 0.1MF	10% 200V
C710	1-121-759-00	ELECT 4.7MF	250V
C711	1-102-038-00	CERAMIC 0.001MF	500V
<u>DIODE</u>			
D701	8-719-300-76	DIODE RH1A	
D702	8-719-300-76	DIODE RH1A	
D703	8-719-300-76	DIODE RH1A	
<u>COIL</u>			
L701	1-407-705-00	MICRO INDUCTOR 100UH	
L702	1-407-705-00	MICRO INDUCTOR 100UH	
L703	1-407-705-00	MICRO INDUCTOR 100UH	
L704	1-407-701-00	MICRO INDUCTOR 47UH	
<u>TRANSISTOR</u>			
Q701	8-729-322-78	TRANSISTOR 2SC2278	
Q702	8-729-322-78	TRANSISTOR 2SC2278	
Q703	8-729-322-78	TRANSISTOR 2SC2278	
Q704	8-729-178-54	TRANSISTOR 2SC2785	
Q705	8-729-178-54	TRANSISTOR 2SC2785	
Q706	8-729-178-54	TRANSISTOR 2SC2785	

NOTE:

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Ref.No	Part No	Description	Remark
<u>RESISTOR</u>			
R701	1-246-461-00	CARBON 330 5% 1/4W	
R702	1-246-483-00	CARBON 2.7K 5% 1/4W	
R703	1-206-749-00	METAL OXIDE 10K 5% 3W	F
R704	1-246-483-00	CARBON 2.7K 5% 1/4W	
R705	1-246-461-00	CARBON 330 5% 1/4W	
R706	1-206-749-00	METAL OXIDE 10K 5% 3W	F
R707	1-246-456-00	CARBON 200 5% 1/4W	
R708	1-246-483-00	CARBON 2.7K 5% 1/4W	
R709	1-206-749-00	METAL OXIDE 10K 5% 3W	F
R710	1-202-585-00	SOLID 3.3K 10% 1/2W	
R711	1-202-619-00	SOLID 82K 10% 1/2W	
R712	1-207-451-00	WIREWOUND 0.1 10% 1/2W	
R713	1-202-585-00	SOLID 3.3K 10% 1/2W	
R714	1-202-609-00	SOLID 33K 10% 1/2W	
R715	1-202-613-00	SOLID 47K 10% 1/2W	
R716	1-202-585-00	SOLID 3.3K 10% 1/2W	
R717	1-202-645-00	SOLID 1M 10% 1/2W	
R718	1-202-549-00	SOLID 100 10% 1/2W	
R719	1-244-929-00	SOLID 220K 10% 1/2W	
R720	1-202-637-00	SOLID 470K 10% 1/2W	
R721	1-202-641-00	SOLID 680K 10% 1/2W	
R724	1-246-497-00	CARBON 10K 5% 1/4W	
R725	1-246-497-00	CARBON 10K 5% 1/4W	
R726	1-246-497-00	CARBON 10K 5% 1/4W	
R727	1-246-433-00	CARBON 22 5% 1/4W	
R728	1-246-433-00	CARBON 22 5% 1/4W	
R729	1-246-433-00	CARBON 22 5% 1/4W	
R730	1-246-459-00	CARBON 270 5% 1/4W	
R731	1-246-459-00	CARBON 270 5% 1/4W	
R732	1-246-480-00	CARBON 2K 5% 1/4W	
R733	1-246-480-00	CARBON 2K 5% 1/4W	
R734	1-246-489-00	CARBON 4.7K 5% 1/4W	
<u>VARIABLE RESISTOR</u>			
RV701	1-224-644-XX	RES, ADJ, CARBON 4.7K	
RV702	1-224-642-XX	RES, ADJ, CARBON 1K	
RV703	1-224-644-XX	RES, ADJ, CARBON 4.7K	
RV704	1-224-642-XX	RES, ADJ, CARBON 1K	
RV705	1-224-644-XX	RES, ADJ, CARBON 4.7K	
RV706	1-226-063-00	RES, ADJ, CARBON 2.2M	
RV707	1-226-114-00	RES, ADJ, METAL GLAZE 2.2M	
<u>SPARK GAP</u>			
SG701	1-519-063-XX	DISCHARGING GAP	
SG702	1-519-063-XX	DISCHARGING GAP	
SG703	1-519-063-XX	DISCHARGING GAP	
SG704	1-519-063-XX	DISCHARGING GAP	
SG705	1-519-063-XX	DISCHARGING GAP	
SG706	1-519-063-XX	DISCHARGING GAP	

Ref.No	Part No	Description	Remark
♣:1-602-320-00 E BOARD *****			
<u>CAPACITOR</u>			
C901	♣:1-102-155-12	CERAMIC 330PF 20% 2KV	
C902	1-102-973-00	CERAMIC 100PF 5% 50V	
<u>COIL</u>			
L903	1-407-365-00	COIL, CHOKE (HIGH FREQUENCY)	
L904	1-407-365-00	COIL, CHOKE (HIGH FREQUENCY)	
<u>RESISTOR</u>			
R902	1-246-449-00	CARBON 100 5% 1/4W	

♣:1-604-960-00 H1 BOARD *****			
<u>SWITCH</u>			
S1301	1-553-640-23	SWITCH, PUSH	
S1302	1-553-640-23	SWITCH, PUSH	
S1303	1-553-640-23	SWITCH, PUSH	
S1304	1-553-640-23	SWITCH, PUSH	
S1305	1-553-640-23	SWITCH, PUSH	
S1306	1-553-640-23	SWITCH, PUSH	

♣:1-604-961-12 H2 BOARD *****			
<u>RESISTOR</u>			
R1351	1-246-501-00	CARBON 15K 5% 1/4W	
R1352	1-246-499-00	CARBON 12K 5% 1/4W	
R1353	1-246-491-00	CARBON 5.6K 5% 1/4W	
<u>VARIABLE RESISTOR</u>			
RV1351	1-228-668-00	RES, VAR, CARBON 5K	
RV1352	1-228-667-00	RES, VAR, CARBON 20K	
RV1353	1-228-667-00	RES, VAR, CARBON 20K	
RV1354	1-228-667-00	RES, VAR, CARBON 20K	
RV1355	1-228-667-00	RES, VAR, CARBON 20K	

♣:A-1385-028-A K BOARD, COMPLETE *****			
♣:1-533-146-00 HOLDER, FUSE			
<u>CAPACITOR</u>			
C1000	1-123-332-00	ELECT 47MF 20% 16V	
C1001	1-123-616-00	ELECT 4.7MF 20% 25V	
C1002	1-123-616-00	ELECT 4.7MF 20% 25V	

NOTE:

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Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
C1003	1-123-616-00	ELECT 4.7MF	20% 25V	D1207	8-719-100-43	DIODE RD7.5E-B1	
C1004	1-123-616-00	ELECT 4.7MF	20% 25V	D1208	8-719-100-43	DIODE RD7.5E-B1	
C1005	1-123-616-00	ELECT 4.7MF	20% 25V	D1209	8-719-100-43	DIODE RD7.5E-B1	
C1006	1-123-622-00	ELECT 22MF	20% 16V	D1210	8-719-100-43	DIODE RD7.5E-B1	
C1007	1-123-622-00	ELECT 22MF	20% 16V	D1211	8-719-100-43	DIODE RD7.5E-B1	
C1008	1-123-622-00	ELECT 22MF	20% 16V	D1212	8-719-100-72	DIODE RD15E-B3	
C1009	1-108-583-00	MYLAR 0.015MF	5% 50V	<u>FUSE</u>			
C1010	1-108-583-00	MYLAR 0.015MF	5% 50V	F1201	1-532-557-00	FUSE, GLASS TUBE	
C1201	1-125-154-00	ELECT(BLOCK) 2200MF	35V	F1202	1-532-557-00	FUSE, GLASS TUBE	
C1202	1-125-154-00	ELECT(BLOCK) 2200MF	35V	<u>IC</u>			
C1206	1-102-816-00	CERAMIC 120PF	5% 50V	IC1000	8-759-140-53	IC UPD4053BC	
C1207	1-102-820-00	CERAMIC 330PF	5% 50V	IC1201	8-759-111-88	IC UPC1188H	
C1208	1-123-318-00	ELECT 33MF	20% 16V	IC1202	8-759-111-88	IC UPC1188H	
C1209	1-123-333-00	ELECT 100MF	20% 25V	IC1203	8-759-800-59	IC LA2600	
C1210	1-106-224-00	MYLAR 0.15MF	10% 100V	<u>CONNECTOR</u>			
C1211	1-108-389-00	MYLAR 0.1MF	10% 100V	K1	▲:1-508-765-00	3P PLUG (M)	
C1215	1-102-816-00	CERAMIC 120PF	5% 50V	K2	▲:1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
C1216	1-102-820-00	CERAMIC 330PF	5% 50V	K3	▲:1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P	
C1217	1-123-318-00	ELECT 33MF	20% 16V	K4	▲:1-508-765-00	3P PLUG (M)	
C1218	1-123-333-00	ELECT 100MF	20% 25V	K5	▲:1-508-765-00	3P PLUG (M)	
C1219	1-106-224-00	MYLAR 0.15MF	10% 100V	K6	▲:1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P	
C1220	1-108-389-00	MYLAR 0.1MF	10% 100V	K7	▲:1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
C1221	1-102-816-00	CERAMIC 120PF	5% 50V	<u>TRANSISTOR</u>			
C1222	1-102-816-00	CERAMIC 120PF	5% 50V	Q1000	8-729-178-54	TRANSISTOR 2SC2785	
C1224	1-123-356-00	ELECT 10MF	20% 16V	Q1001	8-769-200-20	TR 2SK107-2	
C1225	1-123-356-00	ELECT 10MF	20% 16V	Q1002	8-769-200-20	TR 2SK107-2	
C1226	1-123-356-00	ELECT 10MF	20% 16V	Q1201	8-729-178-54	TRANSISTOR 2SC2785	
C1227	1-102-114-00	CERAMIC 470PF	10% 50V	Q1202	8-729-178-54	TRANSISTOR 2SC2785	
C1229	1-123-356-00	ELECT 10MF	20% 16V	<u>RESISTOR</u>			
C1230	1-123-356-00	ELECT 10MF	20% 16V	R1000	1-247-871-00	CARBON 47K 5% 1/6W	
C1231	1-102-114-00	CERAMIC 470PF	10% 50V	R1001	1-247-871-00	CARBON 47K 5% 1/6W	
C1232	1-123-356-00	ELECT 10MF	20% 16V	R1002	1-247-855-00	CARBON 10K 5% 1/6W	
C1233	1-123-324-00	ELECT 1000MF	20% 16V	R1003	1-247-831-00	CARBON 1K 5% 1/6W	
C1234	1-123-318-00	ELECT 33MF	20% 16V	R1004	1-247-831-00	CARBON 1K 5% 1/6W	
C1235	1-123-379-00	ELECT 0.47MF	20% 50V	R1005	1-247-831-00	CARBON 1K 5% 1/6W	
C1236	1-123-356-00	ELECT 10MF	20% 16V	R1006	1-247-831-00	CARBON 1K 5% 1/6W	
C1237	1-123-356-00	ELECT 10MF	20% 16V	R1007	1-247-879-00	CARBON 100K 5% 1/6W	
C1239	1-101-005-00	CERAMIC 0.022MF	50V	R1008	1-247-879-00	CARBON 100K 5% 1/6W	
C1240	1-101-005-00	CERAMIC 0.022MF	50V	R1009	1-247-879-00	CARBON 100K 5% 1/6W	
C1241	1-101-006-00	CERAMIC 0.047MF	50V	R1010	1-247-879-00	CARBON 100K 5% 1/6W	
C1242	1-101-006-00	CERAMIC 0.047MF	50V	R1011	1-247-825-00	CARBON 560 5% 1/6W	
C1243	1-101-005-00	CERAMIC 0.022MF	50V	R1012	1-247-879-00	CARBON 100K 5% 1/6W	
C1244	1-101-005-00	CERAMIC 0.022MF	50V	R1013	1-247-879-00	CARBON 100K 5% 1/6W	
C1245	1-102-980-00	CERAMIC 270PF	5% 50V	R1014	1-247-879-00	CARBON 100K 5% 1/6W	
C1246	1-102-980-00	CERAMIC 270PF	5% 50V	R1015	1-247-879-00	CARBON 100K 5% 1/6W	
C1247	1-123-379-00	ELECT 0.47MF	20% 50V	R1016	1-247-839-00	CARBON 2.2K 5% 1/6W	
<u>DIODE</u>				R1017	1-247-839-00	CARBON 2.2K 5% 1/6W	
D1201	8-719-900-93	DIODE V09C		R1018	1-247-847-00	CARBON 4.7K 5% 1/6W	
D1202	8-719-900-93	DIODE V09C					
D1203	8-719-900-93	DIODE V09C					
D1204	8-719-900-93	DIODE V09C					
D1205	8-719-100-27	DIODE RD4.7E-B2					

Ref.No	Part No	Description	Remark
R1019	1-247-847-00	CARBON 4.7K 5% 1/6W	
R1206	1-246-449-00	CARBON 100 5% 1/4W	
R1207	1-246-499-00	CARBON 12K 5% 1/4W	
R1208	1-246-491-00	CARBON 5.6K 5% 1/4W	
R1210	1-246-499-00	CARBON 12K 5% 1/4W	
R1211	1-246-491-00	CARBON 5.6K 5% 1/4W	
R1212	1-246-449-00	CARBON 100 5% 1/4W	
R1213	1-211-403-00	CARBON 5.6 5% 1/8W	F
R1214	1-211-403-00	CARBON 5.6 5% 1/8W	F
R1217	1-247-854-00	CARBON 9.1K 5% 1/6W	
R1218	1-246-503-00	CARBON 18K 5% 1/4W	
R1219	1-246-516-00	CARBON 62K 5% 1/4W	
R1220	1-247-865-00	CARBON 27K 5% 1/6W	
R1221	1-246-496-00	CARBON 9.1K 5% 1/4W	
R1222	1-246-503-00	CARBON 18K 5% 1/4W	
R1223	1-246-507-00	CARBON 27K 5% 1/4W	
R1224	1-246-516-00	CARBON 62K 5% 1/4W	
R1225	1-246-473-00	CARBON 1K 5% 1/4W	
R1226	1-246-473-00	CARBON 1K 5% 1/4W	
R1227	1-246-479-00	CARBON 1.8K 5% 1/4W	
R1228	1-246-479-00	CARBON 1.8K 5% 1/4W	
R1229	1-247-831-00	CARBON 1K 5% 1/6W	
R1230	1-246-449-00	CARBON 100 5% 1/4W	
R1231	1-246-479-00	CARBON 1.8K 5% 1/4W	
R1232	1-247-829-00	CARBON 820 5% 1/6W	
R1233	1-244-871-00	CARBON 820 5% 1/2W	

VARIABLE RESISTOR

RV1201	1-226-847-00	RES, ADJ, CARBON 1K
RV1202	1-226-850-00	RES, ADJ, CARBON 4.7K

♣:1-604-966-00 Y BOARD

♣:4-355-616-00 HOLDER, LED

DIODE

D1	8-719-102-34	DIODE SG232D
D2	8-719-106-34	DIODE SR632D
D3	8-719-114-34	DIODE SY432D

MISCELLANEOUS

♣:1-228-482-21	RESISTOR ASSY, HIGH-VOLTAGE
♣:1-451-168-82	DEFLECTION YOKE (SY-108)
1-452-032-00	MAGNET, DISC; 10MM ϕ
1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ
1-452-146-00	MAGNET, BMC

♣:1-452-236-21	CRT NECK ASSY (1)
1-536-600-00	TERMINAL, PUSH

Ref.No	Part No	Description	Remark
	1-536-693-12	TERMINAL BOARD, CONNECTOR	
	1-551-086-31	CORD, CONNECTION	
	♣:1-551-478-12	CORD, POWER	
	♣:1-551-791-00	CONNECTOR ASSY (L) 2P	
	1-551-842-00	CORD, CONNECTION (RK-105A)	
	♣:1-555-301-00	CONNECTOR RECEPTACLE ASSY 6P	
	♣:1-555-303-00	HOUSING ASSY, PLUG 3P	
	♣:1-555-956-00	CONNECTOR ASSY (2.5MM) 2P	
	♣:1-555-957-00	CONNECTOR ASSY (2.5MM) 2P	
	♣:1-555-963-00	CONNECTOR ASSY (2.5MM) 5P	
	♣:1-556-001-00	CONNECTOR ASSY (2.5MM) 6P	
	♣:1-556-006-00	CONNECTOR, MINIATURE 2P	
	♣:1-556-022-00	CONNECTOR ASSY, MINIATURE 3P	
	♣:1-556-057-00	CONNECTOR ASSY (LARGE) 3P	
	♣:1-556-099-00	CONNECTOR ASSY (L) 2P	
	♣:1-556-148-00	CONNECTOR ASSY, MINIATURE 3P	
	♣:1-556-399-00	CONNECTOR ASSY (2.5MM) 5P	
	♣:1-556-585-00	CONNECTOR ASSY (2.5MM) 2P	
	♣:1-556-698-00	CONNECTOR ASSY (2.5MM) 6P	
	♣:1-556-754-00	CONNECTOR ASSY, MINIATURE 3P	
	♣:1-561-347-11	OUTLET, AC	
	1-561-790-00	CONNECTOR (SOCKET) 34P	
	1-561-831-00	CONNECTOR, SHORT (SOCKET)	
L901	♣:1-426-087-32	COIL, DEGAUSSING	
L902	♣:1-426-087-32	COIL, DEGAUSSING	
Q901	♣:8-729-345-41	TRANSISTOR 2SC1454-R	
Q902	8-729-341-34	TRANSISTOR 2SC1413A	
R901	1-205-585-00	RES, WIREWOUND 150	
S901	♣:1-553-262-31	SWITCH, PUSH (POWER SWITCH)	
S902	♣:1-514-524-11	SLIDE SWITCH	
S903	♣:1-514-524-11	SLIDE SWITCH	
T503	♣:1-439-280-21	TRANSFORMER ASSY, FLYBACK	
T901	♣:1-447-173-11	TRANSFORMER, POWER	
T902	♣:1-447-120-11	TRANSFORMER, POWER	
V901	♣:8-738-706-05	CRT (520SB22A)	

ACCESSORIES AND PACKING MATERIALS

Part.No	Description	Remark
1-551-086-31	CORD, CONNECTION	
1-551-842-00	CORD, CONNECTION (RK-105A)	
1-561-790-00	CONNECTOR (SOCKET) 34P	
4-491-633-22	INSTRUCTION	
4-491-677-00	SCHEMATIC DIAGRAM (B2) (SONAM)	
4-493-798-21	MANUAL, INSTRUCTION	
4-341-944-00	BAG, PROTECTION	
4-341-946-00	CUSHION (LOWER FRONT)	
4-341-947-00	CUSHION (LOWER REAR)	
4-341-948-00	CUSHION (UPPER FRONT)	
4-341-949-00	CUSHION (UPPER REAR)	
4-355-640-00	INDIVIDUAL CARTON	

NOTE:

The components identified by shading and mark ♣ are critical for safety. Replace only with part number specified.

HARDWARE NOMENCLATURE

Screw:

P 3 x 10

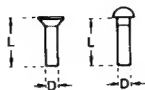
L: Length in mm

D: Diameter in mm

Type of head

Indicated slotted-head only.

Unless otherwise indicated, it means cross-recessed head (Phillips type).



Nut, Washer, Retaining ring:

N 3

Diameter of usable screw or shaft

Reference designation

Reference Designation	Shape	Description	Remarks
SCREWS			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		brazier-head screw	

Reference Designation	Shape	Description	Remarks
SELF-TAPPING SCREWS			
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self-tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
SET SCREWS			
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
NUT			
N		nut	
WASHERS			
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
RETAINING RINGS			
E		retaining ring	
G		grip-type retaining ring	

Sony Corporation
Consumer Products Group
Technical Support Dept.